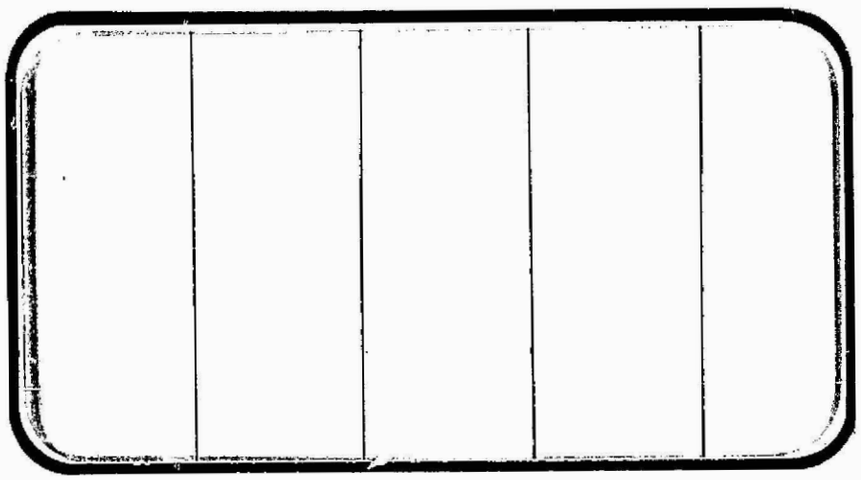
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(NASA-CR-141528) RESULTS OF INVESTIGATIONS OF AN 0.010-SCALE 140A/B CONFIGURATION (MODEL 72-OTS) OF THE ROCKWELL INTERNATIONAL SPACE SHUTTLE ORBITER IN THE NASA/LANGLEY RESEARCH CENTER UNITARY PLAN WIND TUNNEL

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SPACE SHUTTLE

AEROTHERMODYNAMIC DATA REPORT

JOHNSON SPACE CENTER

HOUSTON, TEXAS

DATA MANagement services

SPACE DIVISION CHRYSLER CORPORATION

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RESULTS OF INVESTIGATIONS ON AN 0.010-SCALE 140A/B CONFIGURATION (MODEL 72-OTS) OF THE ROCKWELL INTERNATIONAL SPACE SHUTTLE ORBITER IN THE NASA/LANGLEY RESEARCH CENTER UNITARY PLAN WIND TUNNEL (IA44)

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Prepared under NASA Contract Number NAS9-13247

By

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Houston, Texas

WIND TUNNEL TEST SPECIFICS:

Test Number:	LaRC UPWT-1088/1119
NASA Series Number:	IA44
Model Number:	72-OTS
Test Dates:	12 August through 27 September 1974
Occupancy Hours:	188

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ABSTRACT

Experimental aerodynamic investigations were conducted in the NASA/ Langley Unitary Plan Wind Tunnel on a sting mounted 0.010-scale outer mold line model of the 140A/B configuration of the Rockwell International Space Shuttle Vehicle. These tests were conducted during the time period from August 12, 1974 to September 27, 1974.

The primary test objectives were to obtain: 1) six component force and moment data for the mated vehicle at subsonic and transonic conditions, 2) effects of configuration build-up, 3) effects of protuberances, ET/ Orbiter fairings and attach structures, and 4) elevon deflection effects on wing bending moment.

Six component aerodynamic force and moment data and base and balance cavity pressures were recorded over Mach numbers of 1.6, 2.0, 2.5, 2.86, 3.9, and 4.63 at a nominal Reynolds number of 2.0×10^6 per foot. Selected configurations were tested at angles of attack and sideslip from -10° to +10°. For all configurations involving the Orbiter, wing bending and torsion coefficients were measured on the right wing.

For all build-up tests, the elevon, bodyflap, rudder, and speed brake settings were 0°. For the tests to determine the effects of elevon settings on wing bending moments, inboard elevon settings of 0°, +4° and +8° and outboard settings of 0°, -4° and -8° were tested.

The model was sting mounted on the NASA/LRC 8434 balance. For most tests the balance was installed in the Orbiter. For configurations where the Orbiter was excluded, the balance was installed in the external tank.

The plotted data figures section of this report utilizes selected data from test IA43 to cover the Mach range of 0.6 to 4.6. Test IA43 is completely documented in DMS-DR-2204.

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COEFFICIENT SCHEDULE:

A: CAF, CAB, CNF, CLMF vs. ALPHA; CNF vs. CLMF; CAFAFO, CABAFO, CNFAFO, CLMAFO, DCNFDA, DCLMDA, XAC/L vs. MACH

B: CY, CYN, CBL vs. BETA; CY vs. CYN; DCY/DB, DCYNDB, DCBLDB, YAC/L vs. MACH

C: CAF, CAB, CNF, CLMF vs. ALPHA; CNF vs. CLMF

D: CAF, CNF, CLMF vs. ALPHA

E: CBW, CTW, CNWG vs. ALPHA

F: CBW, CTW, CNWG vs. BETA

G: CBW, CTW, CNWG vs. ELV-LO

H: CBW, CTW, CNWG vs. ELV-LI

I: DLTCNF, DLTCMF, DLTCAF vs. DLE-LO

J: DLTCNF, DLTCMF, DLTCAF vs. DLE-LI

NOMENCLATURE
General

SYMBOL	PLOT SYMBOL	DEFINITION
a		speed of sound; m/sec, ft/sec
C_p	CP	pressure coefficient; $(p_l - p_\infty)/q$
M	MACH	Mach number; V/a
p		pressure; N/m^2, psf
q	Q(NSM) Q(PSF)	dynamic pressure; $1/2\rho V^2$, N/m^2, psf
RN/L	RN/L	unit Reynolds number; per m, per ft
V		velocity; m/sec, ft/sec
α	ALPHA	angle of attack, degrees
β	BETA	angle of sideslip, degrees
ψ	PSI	angle of yaw, degrees
ϕ	PHI	angle of roll, degrees
ρ		mass density; kg/m^3, $slugs/ft^3$
		Reference & C.G. Definitions
A_b		base area; m^2, ft^2
b	BREF	wing span or reference span; m, ft
c.g.		center of gravity
ℓ_{REF} $\bar{c}$	LREF	reference length or wing mean aerodynamic chord; m, ft
S	SREF	wing area or reference area; m^2, ft^2
	MRP	moment reference point
	XMRP	moment reference point on X axis
	YMRP	moment reference point on Y axis
	ZMRP	moment reference point on Z axis

SUBSCRIPTS

b	base
l	local
s	static conditions
t	total conditions
∞	free stream

NOMENCLATURE (Continued)

Body-Axis System

SYMBOL	PLOT SYMBOL	DEFINITION
C_N	CN	normal-force coefficient; $\frac{\text{normal force}}{qS}$
C_A	CA	axial-force coefficient; $\frac{\text{axial force}}{qS}$
C_Y	CY	side-force coefficient; $\frac{\text{side force}}{qS}$
C_{A_b}	CAB	base-force coefficient; $\frac{\text{base force}}{qS}$ $-A_b(p_b - p_\infty)/qS$
C_{A_f}	CAF	forebody axial force coefficient, $C_A - C_{A_b}$
C_m	CLM	pitching-moment coefficient; $\frac{\text{pitching moment}}{qS\ell_{REF}}$
C_n	CYN	yawing-moment coefficient; $\frac{\text{yawing moment}}{qSb}$
C_ℓ	CBL	rolling-moment coefficient; $\frac{\text{rolling moment}}{qSb}$

Stability-Axis System

C_L	CL	lift coefficient; $\frac{\text{lift}}{qS}$
C_D	CD	drag coefficient; $\frac{\text{drag}}{qS}$
C_{D_b}	CDB	base-drag coefficient; $\frac{\text{base drag}}{qS}$
C_{D_f}	CDF	forebody drag coefficient; $C_D - C_{D_b}$
C_Y	CY	side-force coefficient; $\frac{\text{side force}}{qS}$
C_m	CLM	pitching-moment coefficient; $\frac{\text{pitching moment}}{qS\ell_{REF}}$
C_n	CLN	yawing-moment coefficient; $\frac{\text{yawing moment}}{qSb}$
C_ℓ	CSL	rolling-moment coefficient; $\frac{\text{rolling moment}}{qSb}$
L/D	L/D	lift-to-drag ratio; C_L/C_D
L/D_f	L/DF	lift to forebody drag ratio; C_L/C_{D_f}

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NOMENCLATURE (Continued)
Additions to Standard List

Symbol	Plot Symbol	Description
$A_{b_{ACPS}}$		attitude control propulsion system base area, ft^2
$A_{b_{ET}}$		external tank base area, ft^2
$A_{b_{OMS}}$		OMS pods base area, ft^2
A_{b_o}		Orbiter fuselage base area, ft^2
A_{bf}		Orbiter bodyflap base area, ft^2
$A_{b_{SRB}}$		SRB base area, ft^2
$A_{b_{SRB}}$		SRB nozzle base area, ft^2
$A_{c_{ET}}$		external tank balance cavity area, ft^2
$A_{c_{ORB}}$		Orbiter balance cavity area, ft^2
b		Orbiter wing span, in
$C_{A_{b_{ET}}}$	CABET	external tank base axial force coefficient
$C_{A_{b_{OMS}}}$		OMS pod base axial force coefficient
$C_{A_{b_o}}$	CABO	Orbiter base axial force coefficient
$C_{A_{b_{ACPS}}}$	CPTC	ACPS base axial force coefficient
$C_{A_{b_{SRB}}}$	CABSRB	SRB base axial force coefficient
$C_{A_{b_{AFO}}}$	CABAFO	base-force coefficient, CAB for ALPHA of 0 degrees
$C_{A_{f_{AFO}}}$	CAFAFO	forebody axial force coefficient, CAF for ALPHA of 0 degrees
C_{B_W}	CBW	Orbiter wing bending moment coefficient

NOMENCLATURE (Continued)
Additions to Standard List

Symbol	Plot Symbol	Description
C_{ℓ_β}	DCBLDB	rolling moment due to beta, per degree (body axis)
$C_{\ell_{WO}}$	CLWO	wing root roll axis bending moment coefficient about outboard gage, $C_{\ell_{WO}} = m_2/qSb$
$C_{\ell_{WI}}$	CLWI	wing root roll axis bending moment coefficient about inboard gage, $C_{\ell_{WI}} = m_1/qSb$
$C_{m_{AFO}}$	CLMAFO	forebody pitching moment coefficient, CLMF for ALPHA of 0 degrees
$C_{m_{WG}}$	CMWG	wing root pitch axis bending moment coefficient about gage, $C_{m_{WG}} = m_3/qS\bar{c}$
$C_{N_{WG}}$	CNWG	wing root normal force coefficient about gage
$C_{m_{\delta_a}}$	DCLMDA	forebody pitching moment due to aileron, per degree (body axis)
$C_{m_{bf}}$	CLMBF	Orbiter body flap base pitching moment coefficient
$C_{m_{b_o}}$	CLMBO	Orbiter fuselage base axial force coefficient
C_{m_f}	CLMF	forebody pitching moment coefficient
$C_{N_{bf}}$	CNBF	Orbiter bodyflap normal force coefficient
$C_{N_{b_o}}$	CNBO	Orbiter fuselage base normal force coefficient
C_{N_f}	CNF	forebody normal force coefficient
C_{n_β}	DCYNDB	yawing moment due to beta, per degree (body axis)

NOMENCLATURE (Continued)
Additions to Standard List

Symbol	Plot Symbol	Description
$C_{N_{f_{AFO}}}$	CNFAFO	forebody normal force coefficient, CNF for ALPHA of 0 degrees
$C_{N_{f_{\delta_a}}}$	DCNFDA	forebody normal force due to aileron, per degree (body axis)
C_{Y_β}	DCY/DB	side force due to beta, per degree (body axis)
C_{N_W}	CNW	Orbiter root normal force coefficient
$C_{P_{b_{ET}}}$	CPET	external tank base pressure coefficient
$C_{P_{bf}}$	CPBF	bodyflap base pressure coefficient
$C_{P_{b_o}}$	CPORB	Orbiter fuselage base pressure coefficient
$C_{P_{b_{SRB}}}$	CPSRB	SRB base pressure coefficient
$C_{P_{b_{SRBN}}}$	CPSRBN	SRBN base pressure coefficient
$C_{P_{OMS}}$	CPOMS	OMS pod base pressure coefficient
C_{T_W}	CTW	Orbiter wing torsional moment coefficient
i_{b_o}		Orbiter base incidence angle, deg.
ℓ_b		Orbiter fuselage length, in
m_1		wing strain gage number 1 measurement, in-lb
m_2		wing strain gage number 2 measurement, in-lb

NOMENCLATURE (Continued)
Additions to Standard List

Symbol	Plot Symbol	Description
m_3		wing strain gage number 3 measurement, in-lb
$P_{(\)}$		pressure measurement at orifice number equal to subscript, psia
X_{CP_W}	XCPW	longitudinal location of wing center of pressure, inches aft of Orbiter nose (X_o = 235)
X_{G_3}		longitudinal location of wing strain gage number 3, in X_o
XAC/L	XAC/L	longitudinal location of wing aerodynamic center, XAC/L, fraction body length
X_o		Orbiter longitudinal station, in
X_S		SRB longitudinal station, in
X_T		external tank longitudinal station, in
X_{WRC}		longitudinal location at wing reference center, in X_o
YAC/L	YAC/L	lateral location of wing aerodynamic center, YAC/L, fraction body length
Y_{CP_W}	YCPW	lateral location of wing center of pressure, in Y_o
Y_{G_1}		lateral location of wing strain gage number 1, in Y_o
Y_{G_2}		lateral location of wing strain gage number 2, in Y_o
Y_o		Orbiter lateral station, in
Y_S		SRB lateral station, in
Y_T		external tank lateral station, in

NOMENCLATURE (Continued)
Additions to Standard List

Symbol	Plot Symbol	Description
Y_{WRC}		lateral location of wing reference center, in Y_o
Z_o		Orbiter vertical station, in
Z_s		SRB vertical station, in
Z_T		external tank vertical station, in
δ_{e_I}	ELV-I	inboard elevon panel deflection angle, deg.
δ_{e_o}	ELV-O	outboard elevon panel deflection angle, deg.
δ_r	RUDDER	rudder deflection angle, deg.
δ_{SB}	SPDBRK	speed brake deflection angle, deg.
ΔC_{A_f}	DLTCAF	incremental forebody axial force coefficient
ΔC_{m_f}	DLTCMF	incremental forebody pitching moment coefficient
ΔC_{N_f}	DLTCNF	incremental forebody normal force coefficient
$\Delta\delta_{e_{\ell o}}$	DLE-LO	incremental elevon deflection angle, left outboard, degrees
$\Delta\delta_{e_{\ell i}}$	DLE-LI	incremental elevon deflection angle, left inboard, degrees

Abbreviations and Subscripts

Symbol	Definition
a	aileron
ACPS	attitude control propulsion system
BAC	internal balance
e	elevon

NOMENCLATURE (Concluded)
Additions to Standard List

Symbol	Definition
ET	external oxygen/hydrogen tank
i	model pressure number
I	inboard
L	left
O	outboard
MPS	main propulsion system
OMS	Orbital maneuvering system
ORB	Orbiter
r	rudder
R	right
SRB	solid rocket booster
SRBN	solid rocket booster nozzle

CONFIGURATIONS INVESTIGATED

Configuration build-up studies were performed during this test series. In addition to the build-up of the major components, protuberance build-up studies and alternate SRB nozzle configurations were investigated.

Model 72-OTS dimensional data are presented in Table III.

The tested configurations included the following components:

AT_{28}	Attach structure, VL78-000063, VL78-000062B, VC78-000002
AT_{29}	Attach structure, VL78-000062B, 82600207000, BC78-000002
AT_{30}	Attach structure, VL78-000066, 82600207000, VC78-000002
AT_{31}	Attach structure, VL78-000063, VL78-000062B, VL78-000066, VC78-000002
AT_{32}	Attach structure VL78-000063, VL78-000062B, VL78-000066, VC78-000002
B_{26}	Fuselage, VL70-000193, VL70-000140A, VL70-000140B
C_9	Canopy, VL70-000140A, VL70-000143A
E_{44}	Elevon, SAS/AERO/74-344
F_{10}	Bodyflap, VL70-000140B, VL70-000200
FL_{10}	Feedline, VL78-000063, VL78-000062B, VC78-000002
FL_{11}	Feedline, VL78-000063, VL78-000062B, VC78-000002
FR_{10}	Fairing, VL78-000063, VL78-000062B, 82600207000, VC78-000002
M_{14}	Alternate OMS pod, VL70-008457

CONFIGURATIONS INVESTIGATED (Continued)

M_{16}	OMS pod, VL70-000203
N_{28}	OMS Nozzle, VL70-000140A
N_{86}	SRBN, VL77-000066, VC77-000002
PS_1	Electrical tunnel
PS_2	Attach ring
PS_3	4 intermediate rings
PS_4	Aft structural ring
PS_5	Aft separation motor fairing
PS_6	Tiedown struts
PT_{22}	Electrical line, VL78-000063, VL78-000062B, VC78-000002
PT_{23}	LO_2 recirculation line, VL78-000063, VL78-000062B, 82600207000, VC78-000002
PT_{24}	LH_2 recirculation line, VL78-000063, VL78-000062B, 82600207000, VC78-000002
PT_{25}	Electrical line, VL78-000063, VL78-000062B, 82600207000, VC78-000002
PT_{26}	LO_2 pressure line, VL78-000063, VL78-000062B, 82600207000, VC78-000002
R_5	Rudder, VL70-000095
S_{18}	SRB with alternate skirt, VL70-000066
S_{21}	SRB, VL77-000066, VC77-000002

CONFIGURATIONS INVESTIGATED (Concluded)

T_{28} ET, VL78-000063, VL78-00062B, VC78-000002

V_8 Vertical, VL70-000140A, VL70-000146A

W_{116} Wing, VL70-000140B, VL70-000200

Shorthand notation used in Table III is as follows:

$O_2 = B_{26}\ C_9\ E_{44}\ F_{10}\ M_{16}\ N_{28}\ R_5\ V_8\ W_{116}$

$O_3 = B_{26}\ C_9\ E_{44}\ F_{10}\ M_{14}\ N_{28}\ R_5\ V_8\ W_{116}$

$S_1 = AT_{30}\ AT_{31}\ N_{86}\ S_{21}$

$S_2 = AT_{30}\ AT_{31}\ N_{86}\ PS_2\ S_{21}$

$S_3 = AT_{30}\ AT_{31}\ N_{86}\ PS_2\ PS_4\ S_{21}$

$S_6 = AT_{30}\ AT_{31}\ N_{86}\ PS_1\ PS_2\ PS_3\ PS_4\ PS_6\ S_{21}$

$S_7 = AT_{30}\ AT_{31}\ N_{86}\ PS_1\ PS_2\ PS_3\ PS_4\ PS_5\ PS_6\ S_{21}$

$S_8 = AT_{30}\ AT_{31}\ N_{86}\ PS_1\ PS_2\ PS_3\ PS_4\ PS_5\ PS_6\ S_{18}$

$T_2 = AT_{28}\ AT_{32}\ FL_{10}\ FL_{11}\ FR_{10}\ PT_{23}\ PT_{24}\ PT_{26}\ T_{28}$

$T_4 = AT_{28}\ AT_{29}\ AT_{32}\ FL_{10}\ FL_{11}\ PS_1\ PS_2\ PS_3\ PS_4\ PS_5\ PS_6\ PT_{22}\ PT_{23}\ PT_{24}\ PT_{25}\ PT_{26}\ T_{28}$

TEST FACILITY DESCRIPTION

The NASA LaRC 4-Foot Unitary Plan Wind Tunnel (UPWT) is a closed-circuit, continuous flow, variable density facility. The test section is 4 feet by 4 feet by 7 feet long.

Two tunnel legs are available for supersonic testing in the Mach number ranges 1.47 to 2.86 (Leg No. 1) and 2.29 to 4.63 (Leg No. 2). An asymmetric, sliding block nozzle position and total pressure setting provide the test Mach numbers at a specified Reynolds number. Reynolds number can be varied from 0.76 to 7.78 million per foot. Available stagnation pressure variation is 4.0 to 142. psia. Dynamic pressure variation is 95. to 1260. psf with normal operating stagnation temperature about 150°F in Mach modes 2 or 3 and about 175°F in Mach mode 4. The tunnel is equipped with a dry air supply, an evacuating system, and a cooling system. The facility power is approximately 83,000 horsepower.

Model mounting provisions consist of various sting arrangements, including axial (longitudinal), lateral (independent pitch and yaw), and roll movement with side wall support. A Schlieren system and oil flow visualization equipment are available. Data are recorded at the tunnel and reduced off-line at the Langley Computer Center. The tunnel is used for force and moment, pressure, and dynamic stability tests. Hot and cold jet effects and heat transfer have been studied in the UPWT.

DATA REDUCTION

The aerodynamic force and moment data were measured by the NASA/LRC 839A internal strain gage balance. The data were adjusted for tunnel corrections, sting and balance deflections, and model weight tares. Base pressure adjustments were made as follows:

$$C_{N_{b_o}} = - C_{P_{b_o}} \frac{A_{b_o}}{S} \tan i_{b_o}$$

$$C_{N_{bf}} = - C_{P_{bf}} \frac{A_{bf}}{S} \quad (C_{P_{bf}} \text{ from figure 2e})$$

$$C_{m_{b_o}} = - C_{N_{b_o}} \left(\frac{1263}{1290.3}\right) + C_{A_{b_o}} \left(\frac{336.5}{1290.3}\right)$$

$$C_{m_{bf}} = - C_{N_{bf}} \left(\frac{1339.7}{1290.3}\right)$$

$$C_{A_{b_o}} = - C_{P_{b_o}} \frac{A_{b_o}}{S} - C_{P_{OMS/ACPS}} \left(\frac{A_{b_{OMS}} + A_{b_{ACPS}}}{S}\right)$$

$$C_{A_{b_{ET}}} = - C_{P_{b_{ET}}} \frac{A_{b_{ET}}}{S}$$

$$C_{A_{b_{SRB}}} = - C_{P_{b_{SRB}}} \frac{A_{b_{SRB}}}{S} - C_{P_{b_{SRBN}}} \frac{A_{b_{SRBN}}}{S}$$

$$C_{N_f} = C_N - C_{N_{b_o}} - C_{N_{bf}}$$

$$C_{m_f} = C_m - C_{m_{b_o}} - C_{m_{bf}}$$

$$C_{A_f} = C_A - C_{A_{b_o}} - C_{A_{b_{ET}}} - C_{A_{b_{SRB}}}$$

Where:

$C_{P_{b_o}}$ = Average Orbiter base pressure coefficient measured by base pressure orifices

$C_{P_{bf}}$ = Bodyflap base pressure coefficient obtained from figure 2e

$C_{P_{OMS/ACPS}}$ = Average OMS plus ACPS base pressure coefficients measured by OMS and ACPS base pressure orifices

$C_{P_{b_{ET}}}$ = Average external tank base pressure coefficient measured by ET base pressure orifices

$C_{P_{b_{SRB}}}$ = Average booster base pressure coefficient measured by SRB base pressure orifices

$C_{P_{b_{SRBN}}}$ = Average solid rocket booster nozzle base pressure coefficient measured by SRBN base pressure orifices

i_{b_o} = Orbiter base incidence angle, angle between Orbiter base and plane orthogonal to Orbiter FRL, 14.75 degrees

Wing root strain gage measurements were reduced to bending and torsional moment coefficients as follows:

$$C_{N_W} = \frac{(m_1 - m_2)}{qS\ (Y_{G_2} - Y_{G_1})}$$

$$X_{CP_W} = X_{G_3} - \left(\frac{m_3}{qS\ C_{N_W}}\right) - X_{nose}$$

$$Y_{CP_W} = Y_{G_1} + \left(\frac{m_1}{qS\ C}\right)$$

$$C_{B_W} = \frac{m_2}{qSb} + C_{N_W}\ \frac{(Y_{G_2} - Y_{WRC})}{b}$$

$$C_{T_W} = \frac{m_3}{qS\bar{C}} - C_{N_W}\ \frac{(X_{G_3} - X_{WRC})}{\bar{C}}$$

Where:

m_1, m_2, and m_3 = measurements of gages 1, 2, and 3, respectively, in-lb

Y_{G_1}, Y_{G_2} = lateral location of gages 1 and 2, respectively, in. Y_o

Y_{WRC} = lateral location of wing reference center, in. Y_o

X_3 = longitudinal location of gage 3, in. X_o

X_{WRC} = longitudinal location of wing reference center, in. X_o

X_{nose} = longitudinal location of Orbiter nose, in. X_o

The following reference dimensions and constants were used:

Symbol	Full Scale	Model Scale
$A_{b_{ACPS}}$	19.1 ft^2	0.275 in^2
$A_{b_{ET}}$	597.6 ft^2	8.604 in^2
A_{bf}	142.6 ft^2	2.044 in^2
$A_{b_{OMS}}$ Configuration O_2	42.2 ft^2	0.6075 in^2
Configuration O_3	26.0 ft^2	0.3744 in^2
A_{b_o}	314.1 ft^2	4.523 in^2
$A_{b_{SRB}}$ Configuration S_1 thru S_7	127.5 ft^2	1.836 in^2
Configuration S_8	83.5 ft^2	1.203 in^2

DATA REDUCTION (Concluded)

	Full Scale	Model Scale
$A_{b_{SRBN}}$		
Configuration S_1 thru S_7	108.8 ft^2	1.567 in^2
Configuration S_8	117.4 ft^2	1.691 in^2
$A_{C_{ET}}$	_____	3.04 in^2
$A_{C_{ORB}}$	_____	2.404 in^2
b	936.68 in	9.367 in
$\bar{c}$	474.8 in	4.748 in
i_{b_o}	14.75 deg.	14.75 deg.
ℓ_b	1290.3 in	12.90 in
MRP	976.0 in X_T	9.76 in X_T
	0.0 in Y_T	0.0 in Y_T
	400.0 in Z_T	4.00 in Z_T
S	2690.0 ft^2	38.736 in^2
X_{G_3}	_____	14.40 in X_o
Y_{G_1}	_____	1.44 in Y_o
Y_{G_2}	_____	1.94 in Y_o
X_{WRC}	1542.0 in X_o	15.42 in X_o
Y_{WRC}	106.0 in Y_o	1.06 in Y_o

TABLE I.

TEST : IA44 DATE : AUG/SEPT '74

TEST CONDITIONS

MACH NUMBER	REYNOLDS NUMBER (per unit foot)	DYNAMIC PRESSURE (pounds/sq. foot)	STAGNATION TEMPERATURE (degrees Fahrenheit)
1.60	2.0×10^6	481	
2.0	2.0×10^6	475	
2.5	2.0×10^6	435	
2.86	2.0×10^6	396	
3.90	2.0×10^6	300	
4.63	2.0×10^6	236	

BALANCE UTILIZED: NASA/ LRC 8434

	CAPACITY:	ACCURACY:	COEFFICIENT TOLERANCE:
NF	800 lbs	±.005 Rated Load	
SF	250 lbs	±.005 Rated Load	
AF	125 lbs	±.005 Rated Load	
PM	1600 in-lb	±.005 Rated Load	
RM	500 in-lb	±.005 Rated Load	
YM	500 in-lb	±.005 Rated Load	

COMMENTS:

TABLE II.

TEST : UPWT 1088/1119 (I444) — DATA SET/RUN NUMBER COLLATION SUMMARY — DATE : 4/7/75

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	PARAMETERS/VALUES δ_{e_I}	δ_{e_ϕ}	δ_R	δ_{SB}	NO. OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE) 1.6	2.0	2.5	2.86	3.9	4.6				TEST RUN NUMBERS
RH8001	T_4 S_7	A	0	—	—	—	—	6	2	42	65	66	69	73				
02	↓	0	B	—	—	—	—	5	3	43		68	70	74				
03	ϕ_2 T_4 S_7	A	0	0	0	0	0	6	30	10	109	110	114	118				
04	↓	0	B	0	0	0	0	5	8	13		111	117	121				
05	↓	A	4	0	0	0	0	5	7	12		112	115	119				
06	↓	A	-4	0	0	0	0	5	6	11		113	116	120				
07	ϕ_2 T_2 S_7	A	0	0	0	0	0	2	14	15								
08	ϕ_2 T_4 S_6	A	0	0	0	0	0	2	16	17								
09	ϕ_2 T_4 S_3	A	0	0	0	0	0	2	18	19								
10	ϕ_2 T_4 S_2	A	0	0	0	0	0	4	20	21		51		52				
11	ϕ_2 T_4 S_1	A	0	0	0	0	0	5	22	23		48	49	50				
12	ϕ_2 T_4 S_8	A	0	0	0	0	0	4	24	25			138	139				
13	ϕ_3 T_4 S_7	A	0	0	0	0	0	6	26	27	102	103	105	108				
4	ϕ_2 T_4 S_7	A	0	8	0	0	0	6	36	35	122	123	124	125				
15	↓	A	0	8	-8	0	0	6	37	38	126	127	128	129				
16	↓	A	0	8	-4	0	0	6	39	40	130	131	132	133				
17	↓	A	0	4	0	0	0	6	28	29	134	135	136	137				

CN | CA | CLM | CPORB | CPOMS | CPTC | CPSRB | CPSRBII | CFET | CNW | CBW | CTW

Q(PSF) | CY | CYN | CBL | CL | CD | L/D | (BETA)

MACH | ALPHA

TYPE OF DATA α OR β SCHEDULES: A = B = $-10° \rightarrow 10°$, $\Delta\alpha$ or $\Delta\beta = 2°$

COEFFICENT SCHEDULES

IDVAR (1) IDVAR (2) NDV

TABLE II. - Concluded.

TEST: UPWT 1088/1119 (IA44) — DATA SET/RUN NUMBER COLLATION SUMMARY — DATE: 1/7/75

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	PARAMETERS/VALUES δ_{eI}	$\delta_{e\phi}$	δ_R	δ_{SB}	NO. OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE)	1.6	2.0	2.5	2.86	3.9	4.6				TEST RUN NUMBERS
RH8018	T4	A	0	—	—	—	—	2					75		77				
19	T4	0	B	—	—	—	—	2					76		78				
20	ϕ_2 T4	A	0	0	0	0	0	4				57	58	60	62				
21	ϕ_2 T4	0	B	0	0	0	0	3					59	61	63				
22	ϕ_2 T4 S_7	A	0	0	0	0	0	5			32								
23	↓	0	B	0	0	0	0	2		31	33								
24	↓	A	0	8	-8	0	0	4				53	54	55	56				

TYPE OF DATA α OR β SCHEDULES

COEFFICENT SCHEDULES: $A = B = -10^0 \rightarrow 10^0$; $\Delta\alpha$ or $\Delta\beta = 2^0$

IDVAR (1) IDVAR (2) NDV

TABLE III. MODEL DIMENSIONAL DATA

MODEL COMPONENT: ATTACH STRUCTURE - AT_{28}

GENERAL DESCRIPTION: Rear orbiter to ET attach structure (left-hand and right-hand).

MODEL SCALE: 0.010 MODEL DRAWING NO.: VL78-000063, -000062B

DRAWING NO.: VL78-000063, -000062B

DIMENSIONS:	MEMBER		FULL SCALE	MODEL SCALE
	#1	X_o	1317.00	13.170
		Y_o	- 96.50 (LH)	- 0.965
			96.50 (RH)	0.965
		Z_o	267.50	2.675
		X_T	2058.00	20.580
		Y_T	-125.68 (LH)	- 1.257
			125.68 (RH)	1.257
		Z_T	515.5	5.155
	#2	X_o	1317.00	13.170
		Y_o	- 96.50 (LH)	- 0.965
			96.50 (RH)	0.965
		Z_o	267.50	2.675
		X_T	1872.0	18.720
		Y_T	-125.68 (LH)	- 1.257
			125.68 (RH)	1.257
		Z_T	504.5	5.045
Diameter, In.	#1		11.5	0.115
	#2		15.5	0.155

TABLE III (CONT'D)

MODEL COMPONENT: ATTACH STRUCTURE - AT_{29}

GENERAL DESCRIPTION: Right-hand umbilical fairing to ET cross member attach structure (1 member)

MODEL SCALE: 0.010

DRAWING NO.: VL78-000062B Martin Marietta 82600207000

DIMENSIONS:	**MEMBER**		**FULL SCALE**	**MODEL SCALE**
Umbilical fairing attach point		X_O	1317.00	13.170
		Y_O	66.316	0.663
		Z_O	247.182	2.472
		X_T	2058.683	2.059
		Y_T	66.316	0.663
		Z_T	583.683	5.837
ET attach point		X_O	1317.0	13.170
		Y_O	- 12.0	- 0.120
		Z_O	60.75	0.608
		X_T	2058.00	20.580
		Y_T	- 12.00	- 0.120
		Z_T	568.25	5.683
Diameter, In.			4.5	0.045

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TABLE III (CONT'D)

MODEL COMPONENT: ATTACH STRUCTURE - AT_{30}

GENERAL DESCRIPTION: Forward SRB to ET attach structure (LH and RH)

MODEL SCALE: 0.010 MODEL DRAWING NO.: _____

DRAWING NO.: VL78-000066, Martin Marietta 82600204300

DIMENSIONS:	MEMBER		FULL SCALE		MODEL SCALE
Attach point		X_o	985.675		9.857
		Y_o	-172.50	(LH)	- 1.725
			172.50	(RH)	1.725
		Z_o	0.0		0.0
		X_s	442.675		4.427
		Y_s	80.00	(LH)	0.800
			_____	(RH)	_____
		Z_s	0.0		0.0
		X_o	244.675		2.447
		Y_o	-184.5	(LH)	- 1.845
			184.5	(RH)	1.845
		Z_o	0.0		0.0
		X_i	_____		_____
		Y_i	_____	(LH)	_____
			_____	(RH)	_____
		Z_i	_____		_____
Diameter, In.	#1		_____		_____
	#2		_____		_____

TABLE III (CONT'D)

MODEL COMPONENT: ATTACH STRUCTURE - AT_{31}

GENERAL DESCRIPTION: Rear ET to SRB attach structure (LH & RH) - 3 members

MODEL SCALE: 0.010 MODEL DRAWING: _____

DRAWING NO.: VL78-000063, -000628 -000666

DIMENSIONS:	MEMBER		FULL SCALE	MODEL SCALE
	#1	X_T	2058.00	20.580
		Y_T	- 171.50 (LH)	- 1.715
			171.50 (RH)	1.715
		Z_T	457.00	4.570
		X_s	1511.00	15.110
		Y_s	53.24	0.532
		Z_s	57.00	0.570
	#2	X_T	2058.00	20.580
		Y_T	- 163.85	- 1.639
		Z_T	449.81	4.498
		X_s	1511.00	15.110
		Y_s	76.56	0.766
		Z_s	15.73	0.157
	#3	X_T	2058.00	20.580
		Y_T	-161.72	-1.617
		Z_T	343.00	3.430
		X_s	1511.00	15.110
		Y_s	53.24	0.532
		Z_s	- 57.00	- 0.570
Diameter of members, In.:	#1		_____	_____
	#2		_____	_____
	#3		_____	_____

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TABLE III (CONT'D)

MODEL COMPONENT: ATTACH STRUCTURE - AT_{32}

GENERAL DESCRIPTION: Forward orbiter/ET attach structure (2 member structure)

MODEL SCALE: 0.010

DRAWING NO.: VL78-000062B Martin Marietta 8260020914

DIMENSIONS:	MEMBER		FULL SCALE	MODEL SCALE
	#1	X_o	388.15	3.882
		Y_o	0.0	0.0
	(Attach point on Orbiter, Z_T=614)	Z_o	LWR ML	LWR ML
		X_T	1129.9	11.299
		Y_T	46.50	0.465
	(Attach point on Tank)	Z_T	562.58	5.626
	#2	X_o	388.15	3.882
		Y_o	0.0	0.0
		Z_o	LWR ML	LWR ML
		X_T	1129.9	11.299
		Y_T	- 46.50	- 0.465
		Z_T	562.58	5.626
Diameter, In.	#1		6.0	0.060
	#2			

TABLE III (CONT'D)

MODEL COMPONENT : BODY - B_{26}

GENERAL DESCRIPTION : Configuration 140A/B orbiter fuselage

1 NOTE: B_{26} is identical to B_{24} except underside of fuselage has been refaired to accept W_{114}.

MODEL SCALE: 0.010 MODEL DRAWING: SS-A00147, Release 12

DRAWING NUMBER : VL70-000143B. -000200. --000205. --006089. -000145. VL70-000140A -000140B

DIMENSIONS :	FULL SCALE	MODEL SCALE
Length (OML: Fwd Sta X_o=235). In.	1293.3	12.933
Length (IML: Fwd Sta X_o=238). In.	1290.3	12.903
Max Width (@ X_o = 1528.3), In.	264.0	2.640
Max Depth (@ X_o = 1464) In.	250.0	2.500
Fineness Ratio	0.264	0.264
Area - Ft^2		
Max. Cross-Sectional	340.88	0.0034
Planform		
Wetted		
Base		

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TABLE III (CONT'D)

MODEL COMPONENT : CANOPY - C_9

GENERAL DESCRIPTION : Configuration 3A. Canopy used with fuselage P 26

MODEL SCALE: 0.010 MODEL DRAWING: SS-A00147, Release 12

DRAWING NUMBER : VL70-000143A

DIMENSIONS :	FULL SCALE	MODEL SCALE
Length ($@X_o$=434.643 -- 578), In.	143.357	1.434
Max Width ($@ X_o$ = 513.127) In.	152.412	1.524
Max Depth ($@X_o$ = 485.0) In.	25.000	0.250
Fineness Ratio		
Area		
Max. Cross-Sectional		
Planform		
Wetted		
Base		

TABLE III (CONT'D)

MODEL COMPONENT: ELEVON - E_{44}

GENERAL DESCRIPTION: 6.0 In. F.S. gaps machined into E_{26} elevon. Flipper doors, centerbody pieces, and tipseals are not simulated. (Data are for 1 of 2 sides.)

MODEL SCALE: 0.010

DRAWING NUMBER: Not available.

DIMENSIONS:	FULL-SCALE	MODEL SCALE
Area - Ft^2	210.0	0.021
Span (equivalent), In.	349.2	3.492
Inb'd equivalent chord, In.	118.0	1.180
Outb'd equivalent chord, In.	55.19	0.552
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	0.2096	0.2096
At Outb'd equiv. chord	0.4004	0.4004
Sweep Back Angles, degrees		
Leading Edge	0.00	0.00
Tailing Edge	-10.056	-10.056
Hingeline	0.00	0.00
Area Moment (Product of area & $\bar{c}$) (~~Normal to hinge line~~), Ft^3	1587.25	0.0016
Mean Aerodynamic Chord, In.	90.7	0.907

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TABLE III (CONT'D)

MODEL COMPONENT : BODY FLAP - F_{10}

GENERAL DESCRIPTION : Configuration 140C body flap. Hingeline located at $X_o = 1532$, $Z_o = 287$.

MODEL SCALE: 0.010

DRAWING NUMBER : VL70-000140C, VL70-355114

DIMENSIONS :	FULL SCALE	MODEL SCALE
Length (X_o=1525.5 to X_o=1613) In.	87.50	0.875
Max Width (@ L.E. X_o=1525.5) In.	254.00	2.540
Max Depth (@ X_o = 1532) In.	19.798	0.198
Fineness Ratio		
Area - Ft^2		
Max. Cross-Sectional (@ H.L.)	35.196	0.0035
Planform	135.00	0.0135
Wetted		
Base (X_o = 1613)	4.89	0.0005

TABLE III (CONT'D)

MODEL COMPONENT: FEEDLINE - FL_{10}

GENERAL DESCRIPTION: LH_2 feedline on upper left-hand side of T_{28}.

MODEL SCALE: 0.010

DRAWING NO.: VL78-000063, -000628

DIMENSIONS:		FULL SCALE	MODEL SCALE
Leading edge at:	X_T	2071.5	20.715
	Y_T	- 70.0	-0.700
	Z_T	573.934	5.739
Trailing edge at:	X_T	2081.8	20.818
	Y_T	-70.0	- 0.700
	Z_T	584.059	5.841
Diameter of line (17.0 I.D.)		18.160	0.182

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TABLE III (CONT'D)

MODEL COMPONENT: FEEDLINE - FL_{11}

GENERAL DESCRIPTION: LO_2 feedline on upper right-hand of T_{28}.

MODEL SCALE: 0.010

DRAWING NO.: VL78-000063, -0000628

DIMENSIONS:		FULL SCALE	MODEL SCALE
Leading edge at:	X_T	1000.667	10.007
	Y_T	70.00	0.700
	Z_T	150.519	1.505
Trailing edge at:	X_T	2071.5	20.715
	Y_T	70.00	0.700
	Z_T	573.934	5.739
Diameter of line (17.0 I.D.)		18.16	0.1816

TABLE III (CONT'D)

MODEL COMPONENT: FAIRING - FR10

GENERAL DESCRIPTION: Umbilical door fairing between the aft ET/orbiter attach structure.

MODEL SCALE: 0.010

DRAWING NO.: VL78-000063, -000062B, Martin Marietta 82600207000

DIMENSIONS:	FULL SCALE	MODEL SCALE
Leading edge at X_T	2052.0	20.520
Length	193.0	1.930
Width	15.0	0.150

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TABLE III (CONT'D)

MODEL COMPONENT : ORBITAL MANEUVERING SYSTEM (OMS POD) - M_{14}

GENERAL DESCRIPTION : Preliminary IML version of short OMS pod.

(First used on 0.015 scale model 36-O for test No. OA83)

(One of two sides)

MODEL SCALE: 0.010

DRAWING NUMBER : VL70-008457

DIMENSIONS :	FULL SCALE	MODEL SCALE
Length (OMS Fwd Sta X_o = 1311), In.	254.0	2.540
Max Width (@ X_o = 1511). In.	135.6	1.356
Max Depth (@ X_o = 1511) In.	73.6	0.736
Fineness Ratio	2.541	2.541
Area - Ft^2		
Max. Cross-Sectional	54.507	0.0055
Planform		
Wetted		
Base		

TABLE III (CONT'D)

MODEL COMPONENT : OMS POD - M16

GENERAL DESCRIPTION : Configuration 140C orbiter OMS pod - short pod.

MODEL SCALE: 0.010

DRAWING NUMBER : VL70-008401, VL70-008410

DIMENSIONS :	FULL SCALE	MODEL SCALE
Length (OMS Fwd Sta. X_o=1310.5). In.	258.50	2.585
Max Width (@ X_o = 1511), In.	136.8	1.368
Max Depth (@ X_o = 1511) In.	74.70	0.747
Fineness Ratio	2.484	2.484
Area - Ft^2		
Max. Cross-Sectional	58.864	0.0059
Planform		
Wetted		
Base		

TABLE III (CONT'D)

MODEL COMPONENT: OMS NOZZLES - N_{26}

GENERAL DESCRIPTION: Configuration 140A/B orbiter OMS nozzles.

MODEL SCALE: 0.010

DRAWING NUMBER: VL70-000140A (Location), SS-A00106, Release 5 (Contour)

DIMENSIONS:	FULL SCALE	MODEL SCALE
MACH NO.		
Length - In.		
Gimbal Point to Exit Plane		
Throat to Exit Plane		
Diameter - In.		
Exit		
Throat		
Inlet		
Area - ft^2		
Exit		
Throat		
Gimbal Point (Station) - In.		
Left Upper Nozzle		
X_o	1518.0	15.180
Y_o	- 88.0	- 0.880
Z_o	492.0	4.920
Right Lower Nozzles		
X_o	1518.00	15.180
Y_o	88.0	0.880
Z_o	492.00	4.920
Null Position - Deg.		
Left Upper Nozzle		
Pitch	$15^o49'$	$15^o49'$
Yaw	$12^o17'$	$12^o17'$
Right Lower Nozzle		
Pitch	$15^o49'$	$15^o49'$
Yaw	$12^o17'$	$12^o17'$

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TABLE III (CONT'D)

MODEL COMPONENT: BSRM NOZZLE - N_{86}

GENERAL DESCRIPTION: Booster solid rocket motor nozzles.

MODEL SCALE: 0.010

DRAWING NUMBER: VL70-000066

DIMENSIONS:	FULL SCALE	MODEL SCALE
MACH NO.		
Length - In.		
Gimbal Point to Exit Plane		
Throat to Exit Plane		
Diameter - In. Exit (I.D.)	144.29	1.443
Exit (O.D.)	146.79	1.468
Throat		
Inlet		
Area - ft^2		
Exit Max cross-sectional (I.D.)	113.5533	1.136
Throat		
Gimbal Point (Station) - In.		
Left ~~Upper~~ Nozzle		
X_o	1902.6	19.026
Y_o	- 250.50	- 2.505
Z_o	400.0	4.00
Right ~~Lower~~ Nozzles		
X_o	1902.6	19.026
Y_o	250.50	2.505
Z_o	400.0	4.00
Null Position - Deg.	0.0	0.0
Left ~~Upper~~ Nozzle		
Pitch	± 8	± 8
Yaw		
Right ~~Lower~~ Nozzle		
Pitch	± 8	± 8
Yaw		

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TABLE III (CONT'D)

MODEL COMPONENT: SRB PROTUBERANCE - PS_1

GENERAL DESCRIPTION: Electrical tunnel fairing on top of each SRB.

MODEL SCALE: 0.010

DRAWING NO.: NONE

DIMENSIONS (DATA FOR 1 OF 2):	FULL SCALE	MODEL SCALE
Leading edge at X_B	467.00	4.670
Centerline of tunnel Y_B	0.0	0.0
Trailing edge at X_B	1820.00	18.200
Height	3.00	0.030
Width	6.00	0.060
L.E., Deg.	72	72

TABLE III (CONT'D)

MODEL COMPONENT: SRB PROTUBERANCE - PS_2

GENERAL DESCRIPTION: SRB/ET attach ring.

MODEL SCALE: 0.010

DRAWING NO.: VL77-000036A

DIMENSIONS (DATA FOR 1 OF 2):	FULL SCALE	MODEL SCALE
Centerline at X	1515.00	15.150
Width	10.00	0.100
Height	10.00	0.100

TABLE III (CONT'D)

MODEL COMPONENT: SRB PROTUBERANCE - PS_3

GENERAL DESCRIPTION: Separation rocket fairing on each SRB nozzle shroud located 30 deg. inboard from top centerline.

MODEL SCALE: 0.010

DRAWING NO.: VL77-000036A

DIMENSIONS (DATA FOR 1 OF 2 SIDES)	FULL SCALE	MODEL SCALE
Leading edge at X_B	1796.0	17.960
Trailing edge at X_B	1889.0	18.890

Radial location is 30 deg. inboard from top centerline.

TABLE III (CONT'D)

MODEL COMPONENT: SRB PROTUBERANCE - PS_4

GENERAL DESCRIPTION: Aft structural ring. Ring stiffener located at aft end of solid rocket booster.

MODEL SCALE: 0.010

DRAWING NO.: None.

DIMENSIONS:	FULL SCALE	MODEL SCALE
Height, In.	8.0	0.080
Width, In.	6.0	0.060
Location of centerline, In. X_B	1833.7	18.337

TABLE III (CONT'D)

MODEL COMPONENT: SRB AFT SEPARATION MOTOR FAIRING - PS_5

GENERAL DESCRIPTION: Fairing over aft separation motors on SRB. Fairing covers four separation motors.

MODEL SCALE: 0.010

DRAWING NO.: SS-A01184

DIMENSIONS	FULL SCALE	MODEL SCALE
Length	278.0	2.78
Max. thickness	14.0	.14
Depth		
from SRB mainbody	49.838	.498
from skirt	19.0	.190
Leading edge of fairing at X_S	1547.2	15.472
Leading edge sweep angle	75°	75°

TABLE III (CONT'D)

MODEL COMPONENT: TIEDOWN STRUTS - PS_6

GENERAL DESCRIPTION: 4 Tiedown struts on SRB skirt.

MODEL SCALE: 0.010

DRAWING NO.: SS-A01184

DIMENSIONS:	FULL SCALE	MODEL SCALE
Length	64.0	.64
Max. thickness	14.0	.14
Max. depth	8.0	.08
Leading edge of fairing at X_s	1861.2	18.612

TABLE III (CONT'D)

MODEL COMPONENT: ELECTRICAL LINE - PT_{22}

GENERAL DESCRIPTION: Left-hand electrical conduit line on T_{28}.

MODEL SCALE: 0.010

DRAWING NO.: VL78-000063, -000062R.

DIMENSIONS:		FULL SCALE	MODEL SCALE
Leading edge at:	X_T	1084.333	10.843
	Y_T	- 99.591	- 0.996
	Z_T	-139.620	1.396
Trailing edge at:	X_T	2058.000	20.580
	Y_T	- 99.591	-0.996
	Z_T	-139.620	- 1.396
Conduit size		2.0 x 6.0	0.020 x 0.060

Centerline of line located radially at $\emptyset$ = 35.5 deg.

TABLE III (CONT'D)

MODEL COMPONENT: LO_2 RECIRCULATION LINE - PT_{23}

GENERAL DESCRIPTION: LO_2 recirculation line on right-hand upper side of T_{28}.

MODEL SCALE: 0.010

DRAWING NO.: VL78-000063, -000062B, Martin Marietta 82600207000

DIMENSIONS:		FULL SCALE	MODEL SCALE
Leading edge at:	X_T	1040.667	10.407
	Y_T	94.169	0.902
	Z_T	540.934	5.409
Trailing edge at:	X_T	2062.920	20.629
	Y_T	70.000	0.700
	Z_T	573.934	5.739
Diameter of Line		4.0	0.040

Centerline of lines located radially at $\emptyset = 36^{\circ}45'$
(Right of TDC looking forward)

TABLE III (CONT'D)

MODEL COMPONENT: LH_2 RECIRCULATION LINE - PT_{24}

GENERAL DESCRIPTION: LH_2 recirculation line on T_{28}.

MODEL SCALE: 0.010

DRAWING NO.: VL78-000063, -000062B, Martin Marietta 82600207000

DIMENSIONS:		FULL SCALE	MODEL SCALE
Leading edge at :	X_T	1040.667	10.407
	Y_T	- 94.169	- 0.942
	Z_T	540.934	5.409
Trailing edge at:	X_T	2062.920	20.629
	Y_T	-70.00	- 0.700
	Z_T	573.934	5.739
Diameter of line		4.0	0.040

Centerline of line located radially at $\emptyset = 33^{\circ}45'$
(Left of TDL looking forward).

TABLE III (CONT'D)

MODEL COMPONENT: ELECTRICAL LINE - PT_{25}

GENERAL DESCRIPTION: Right-hand aft electrical conduit line on T_{28} with LH_2 pressure sensor line and LO_2 vent valve actuator line.

MODEL SCALE: 0.010

DRAWING NO.: VL78-000063, -000062, Martin Marietta 82600207000

DIMENSIONS:		FULL SCALE	MODEL SCALE
Leading edge at:	X_T	1084.333	10.843
	Y_T	99.591	0.996
	Z_T	139.620	1.396
Trailing edge at:	X_T	2058.00	20.580
	Y_T	99.591	0.996
	Z_T	139.620	1.396
Conduit size		2.0 x 6.0	0.020 x 0.060

Centerline of line located radially at $\emptyset = 35^{\circ}.5'$

TABLE III (CONT'D)

MODEL COMPONENT: LO_2 PRESSURE LINE - PT_{26}

GENERAL DECSCIPTION: LO_2 pressure line on the T_{28}.

MODEL SCALE: 0.010

DRAWING NO.: VL78-000063, -000062B, Martin Marietta 82600207000

DIMENSIONS:		FULL SCALE	MODEL SCALE
Leading edge at:	X_T	360.733	3.607
	Y_T	15.145	0.151
	Z_T	407.718	4.077
Trailing edge at:	X_T	2083.5	20.835
	Y_T	63.25	0.633
	Z_T	609.00	6.090
Line diameter		2.00	0.020

Centerline of line located radially at $\emptyset$ = 27 deg.

TABLE III (CONT'D)

MODEL COMPONENT: RUDDER - R_5

GENERAL DESCRIPTION: Confimuration 140C orbiter rudder (identical to configuration 140A'B rudder).

MODEL SCALE: 0.010

DRAWING NUMBER: VL70-000146B, VL70-000095

DIMENSIONS:	FULL-SCALE	MODEL SCALE
Area - $Ft.^2$	100.15	0.0100
Span (equivalent) , In.	201.0	2.010
Inb'd equivalent chord, In.	91.585	0.916
Outb'd equivalent chord , In.	50.833	0.508
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	0.400	0.400
At Outb'd equiv. chord	0.400	0.400
Sweep Back Angles, degrees		
Leading Edge	34.83	34.83
Tailing Edge	26.25	26.25
Hingeline	34.83	34.83
Area Moment (Product of area & $\bar{c}$) (Normal to hinge line) Ft^3	610.92	0.00061
Mean Aerodynamic Chord, In.	73.2	0.732

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TABLE III (CONT'D)

MODEL COMPONENT : BOOSTER SOLID ROCKET MOTOR - S_{1a}

GENERAL DESCRIPTION : Configuration MCR 500. Data for 1 of 2 sides.

MODEL SCALE: 0.010

DRAWING NUMBER : VL77-000066

DIMENSIONS :	FULL SCALE	MODEL SCALE
Length (Includes nozzle), In.	1989.4	19.894
Max Width (Tank dia.) In.	146.0	1.460
Max [illegible]th (Aft shroud). In.	192.0	1.920
Fineness Ratio	9.068	9.068
Area - Ft^2		
Max. Cross-Sectional	201.062	0.0201
Planform		
Wetted		
Base		
WP of BSRM centerline (Z_T). In.	400.0	4.000
FS of BSRM nose (X_T). In.	743.0	7.430

TABLE III (CONT'D)

MODEL COMPONENT : BOOSTER SOLID ROCKET MOTOR - S_{21}

GENERAL DESCRIPTION :

DRAWING NUMBER : VL72-000143D, VL77-000066

DIMENSIONS :	FULL SCALE	MODEL SCALE
Length (Includes nozzle), In.	1789.40	17.894
Max Width (Tank dia.). In.	146.00	1.460
Max Depth (Aft shroud Dia.) In.	192.00	1.920
Fineness Ratio	9.3198	9.3198
Area - Ft^2		
Max. Cross-Sectional	201.062	0.020
Planform		
Wetted		
Base		
WP of BSRM Centerline (Z_T)	400.0	4.000
FS of BSRM Nose (X_T)	743.0	7.430
BP of BSRM centerline (Y_T)	250.5	2.505

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TABLE III (CONT'D)

MODEL COMPONENT : External Tank - T_{28}

GENERAL DESCRIPTION :

NOTE: Dimensions are to tank structural OML, TPS not included.

MODEL SCALE: 0.010

DRAWING NUMBER : VL72-000143D, VL78-000063

DIMENSIONS :	FULL SCALE	MODEL SCALE
Length . In.	1844.275	18.443
Max ~~Width~~ Dia.. In.	331.00	3.310
Max Depth		
Fineness Ratio	5.687	5.687
Area - Ft^2		
Max. Cross-Sectional	594.678	0.0595
Planform		
Wetted		
Base		

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TABLE III (CONT'D)

MODEL COMPONENT: VERTICAL - V_8

GENERAL DESCRIPTION: Configuration 140C orbiter vertical tail (identical to configuration 140A'B vertical tail)

MODEL SCALE: 0.010

DRAWING NUMBER: VL70-000140C, VL70-000146B

DIMENSIONS:	FULL SCALE	MODEL SCALE
TOTAL DATA		
Area (Theo) - Ft^2		
Planform	413.253	0.0413
Span (Theo) - In.	315.72	3.157
Aspect Ratio	1.675	1.675
Rate of Taper	0.507	0.507
Taper Ratio	0.404	0.404
Sweep-Back Angles, Degrees.		
Leading Edge	45.00	45.00
Trailing Edge	26.25	26.25
0.25 Element Line	41.13	41.13
Chords:		
Root (Theo) WP	268.50	2.685
Tip (Theo) WP	108.47	1.085
MAC	199.81	1.998
Fus. Sta. of .25 MAC	1463.35	14.634
W.P. of .25 MAC	635.52	6.355
B.L. of .25 MAC	0.00	0.00
Airfoil Section		
Leading Wedge Angle - Deg.	10.00	10.00
Trailing Wedge Angle - Deg.	14.92	14.92
Leading Edge Radius	2.0	0.020
Void Area	13.17	0.0013
Blanketed Area	0.00	0.00

TABLE III (CONL'D)

MODEL COMPONENT: WING-W114

GENERAL DESCRIPTION: Configuration 4

NOTE:: Identical to W114 except airfoil thickness. Dihedral angle is along trailing edge of wing.

MODEL SCALE: 0.010

TEST NO. DWG. NO. VL70-000140A, -000200

DIMENSIONS:	FULL-SCALE	MODEL SCALE
TOTAL DATA		
Area (Theo.) Ft^2 Planform	2690.00	0.2690
Span (Theo In.	936.68	9.367
Aspect Ratio	2.265	2.265
Rate of Taper	1.177	1.177
Taper Ratio	0.200	0.200
Dihedral Angle, degrees	3.500	3.500
Incidence Angle, degrees	0.500	0.500
Aerodynamic Twist, degrees	3.000	3.000
Sweep Back Angles, degrees		
Leading Edge	45.000	45.000
Trailing Edge	- 10.056	- 10.056
0.25 Element Line	35.209	35.209
Chords:		
Root (Theo) B.P.O.O.	689.24	6.892
Tip, (Theo) B.P.	137.85	1.379
MAC	474.81	4.748
Fus. Sta. of .25 MAC	1136.83	11.368
W.P. of .25 MAC	290.58	2.906
B.L. of .25 MAC	182.13	1.821
EXPOSED DATA		
Area (Theo) Ft^2	1751.50	0.175
Span, (Theo) In. BP108	720.68	7.207
Aspect Ratio	2.059	2.059
Taper Ratio	0.245	0.245
Chords		
Root BP108	562.09	5.621
Tip 1.00 $\frac{b}{2}$	137.85	1.379
MAC	392.83	3.928
Fus. Sta. of .25 MAC	1185.98	11.860
W.P. of .25 MAC	294.30	2.943
B.L. of .25 MAC	251.77	2.718
Airfoil Section (Rockwell Mod NASA) XXXX-64		
Root $\frac{b}{2}$ =	0.113	0.113
Tip $\frac{b}{2}$ =	0.120	0.120
Data for (1) of (2) Sides		
Leading Edge Cuff Planform Area Ft^2	113.18	0.0113
Leading Edge Intersects Fus M. L. @ Sta	500.0	5.00
Leading Edge Intersects Wing @ Sta	1024.00	10.240

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Notes:

1. Positive directions of force coefficients, moment coefficients, and angles are indicated by arrows
2. For clarity, origins of wind and stability axes have been displaced from the center of gravity

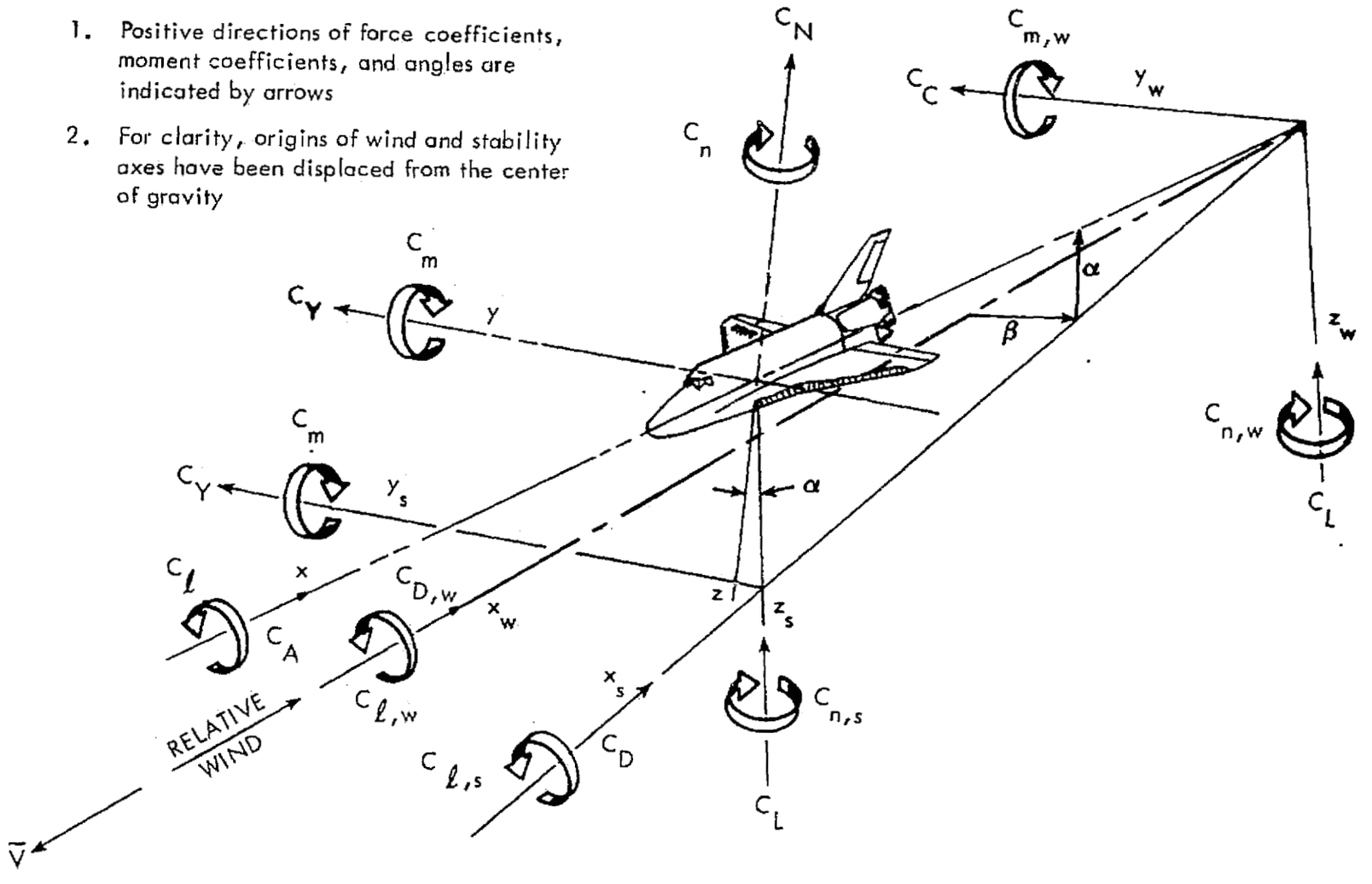
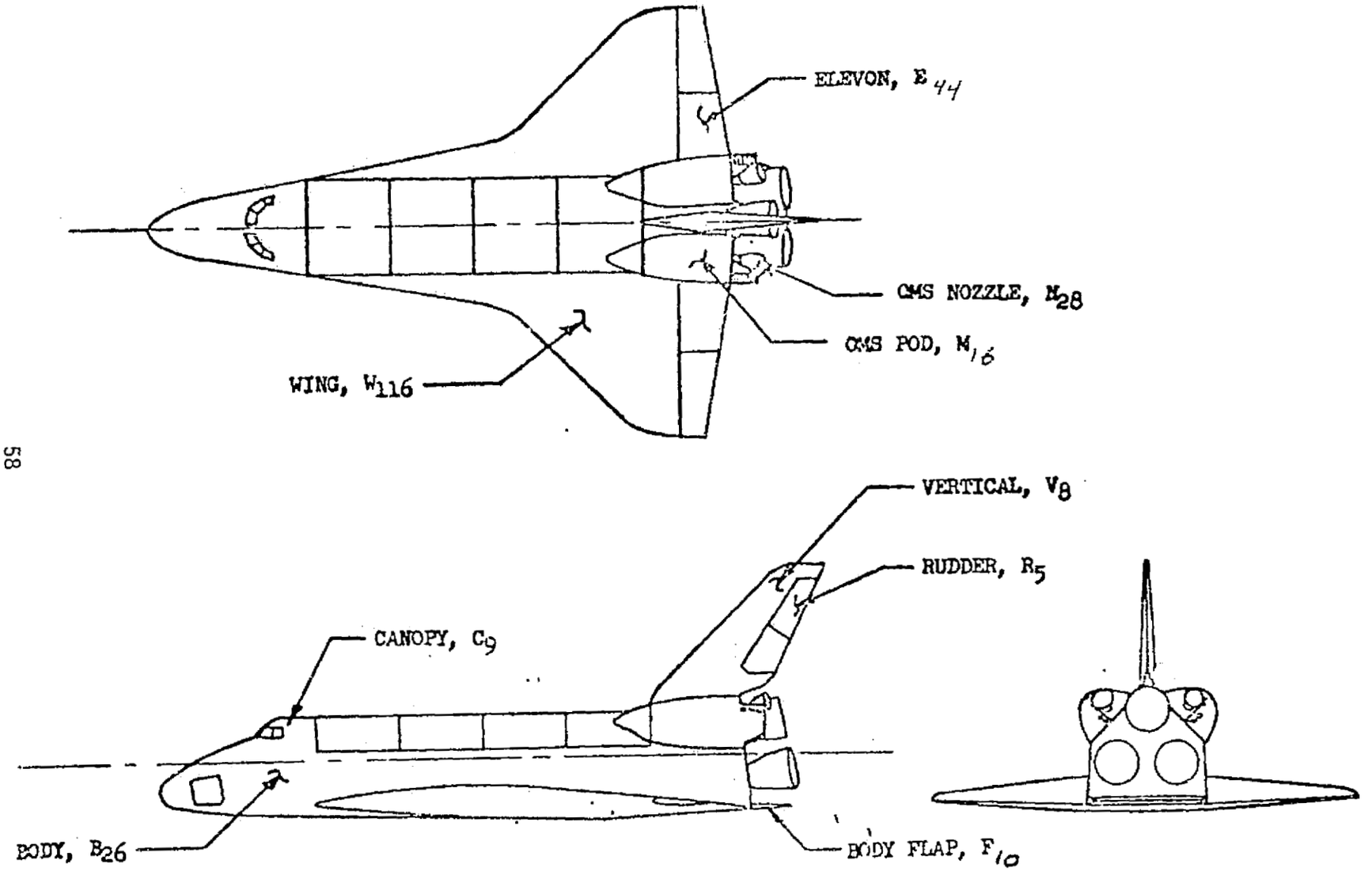
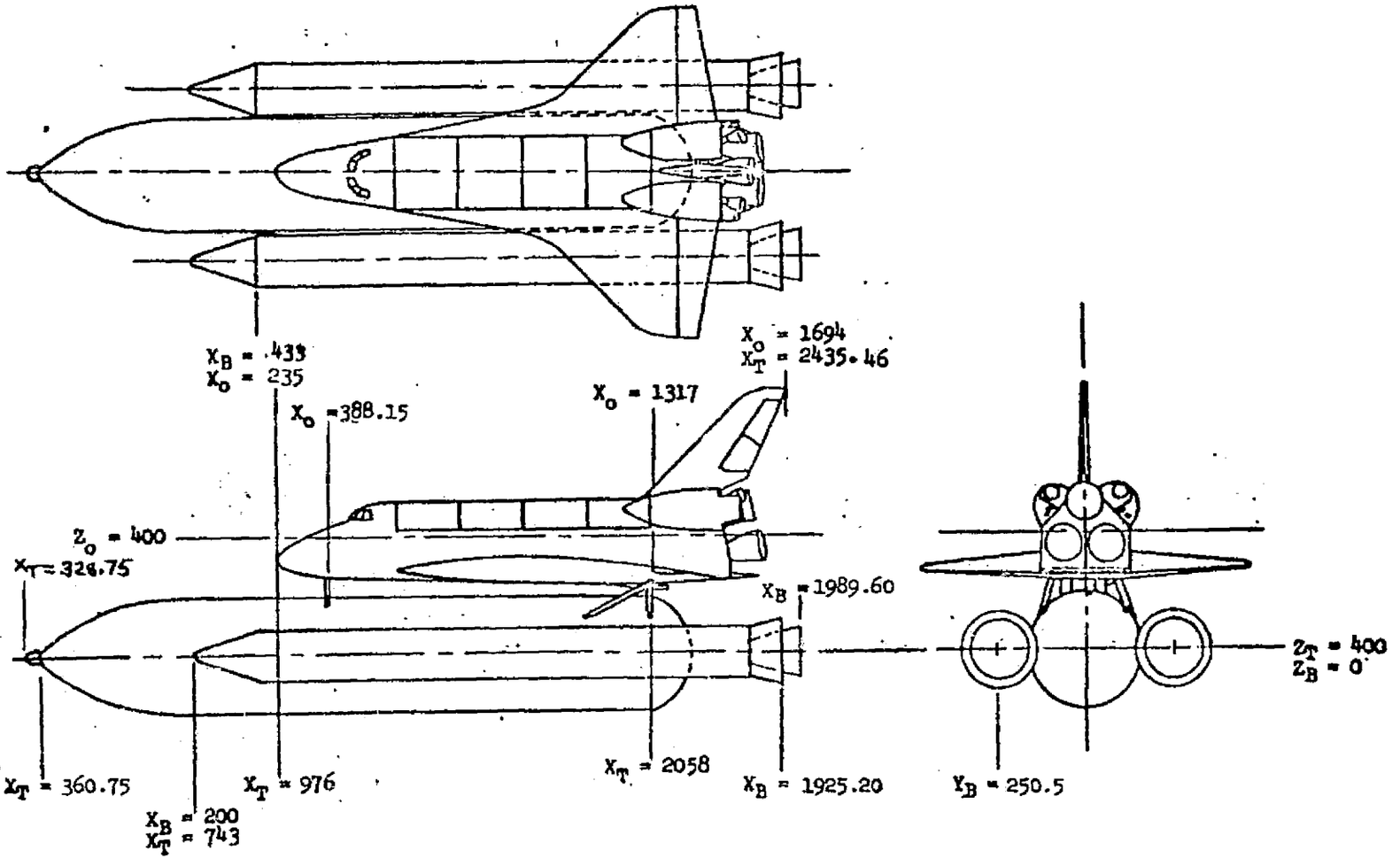


Figure 1. - Axis systems.



a. Orbiter Three View

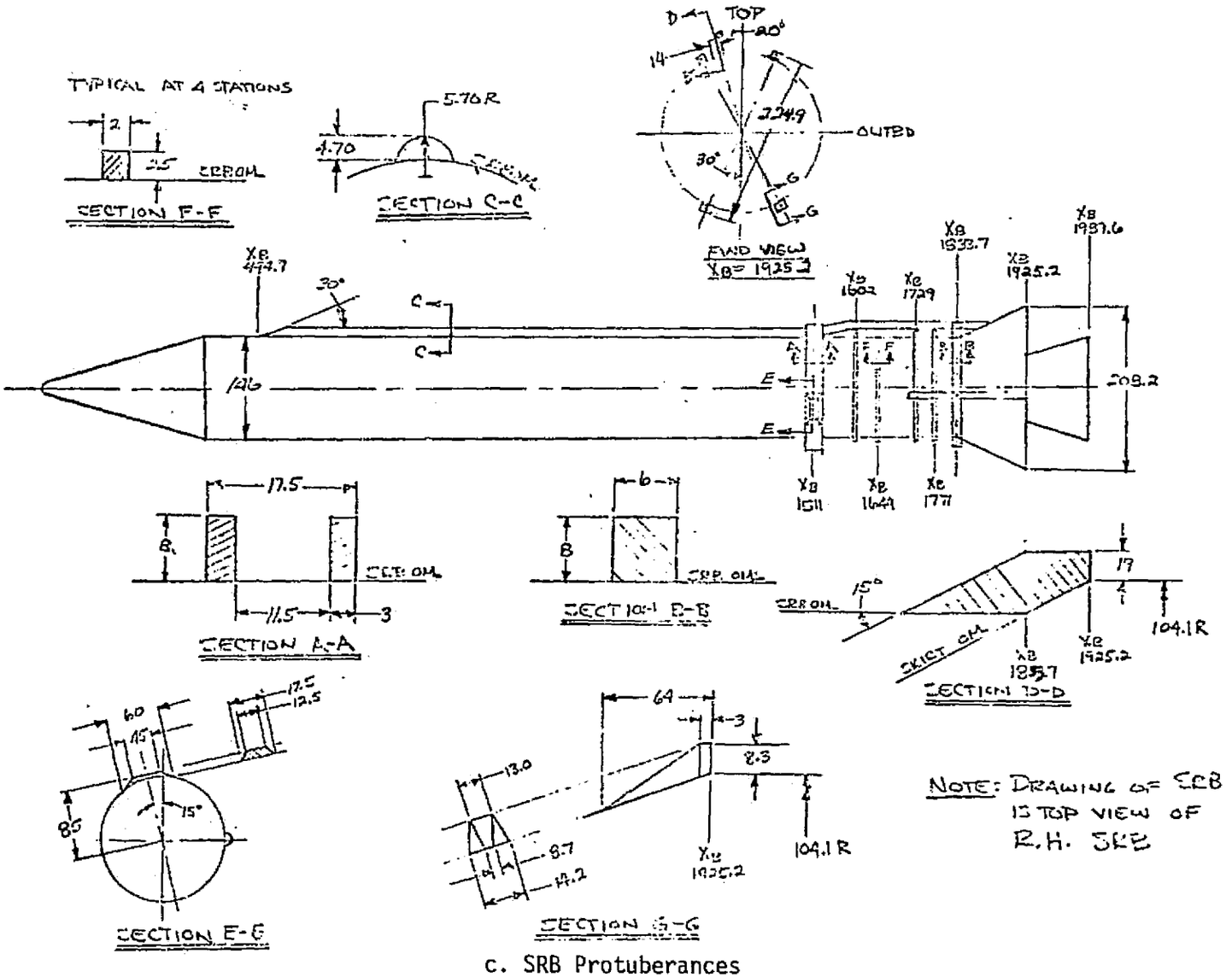
Figure 2. - Model sketches.



b. Mated Vehicle

Figure 2. - Continued.

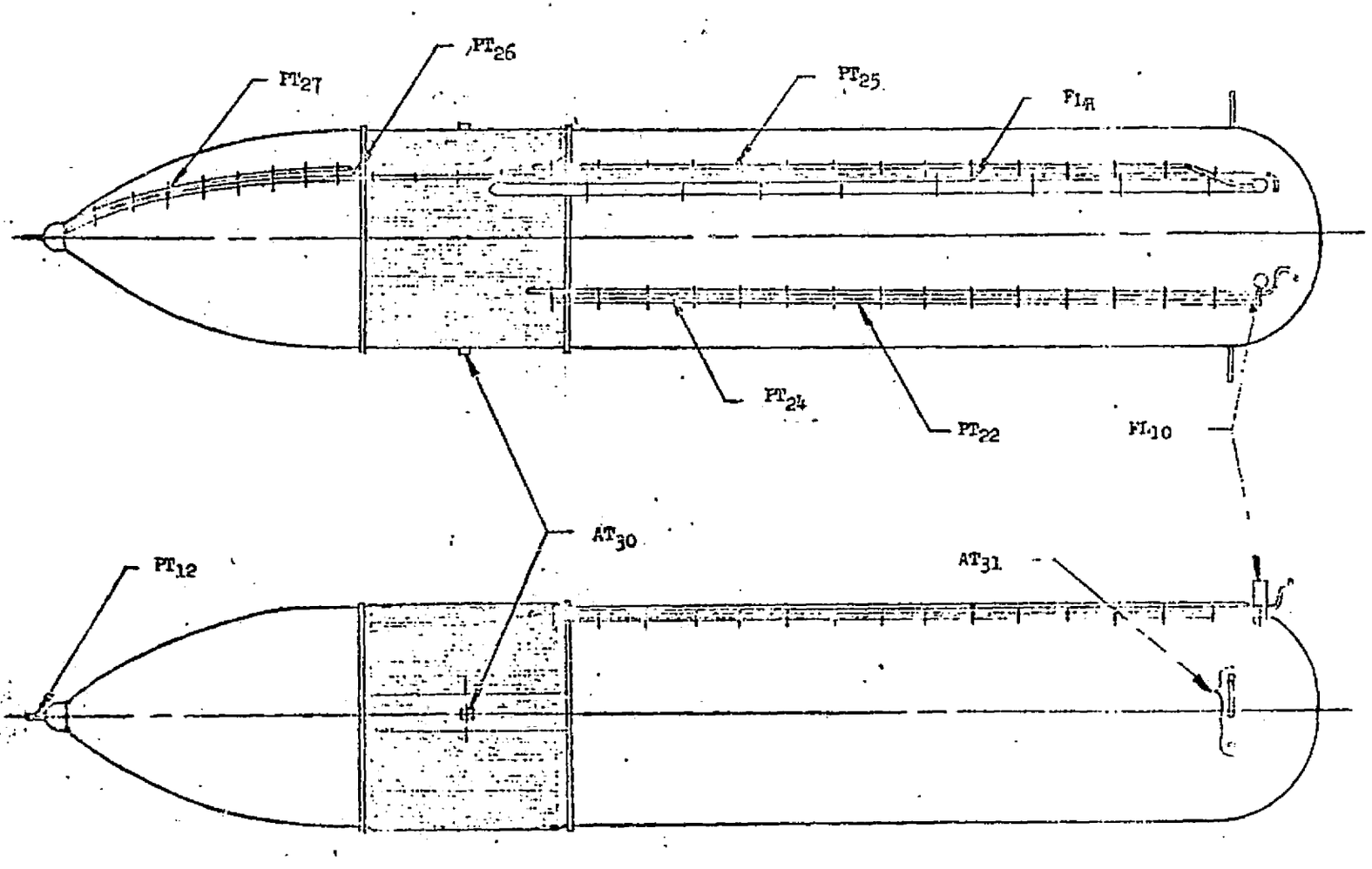
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c. SRB Protuberances

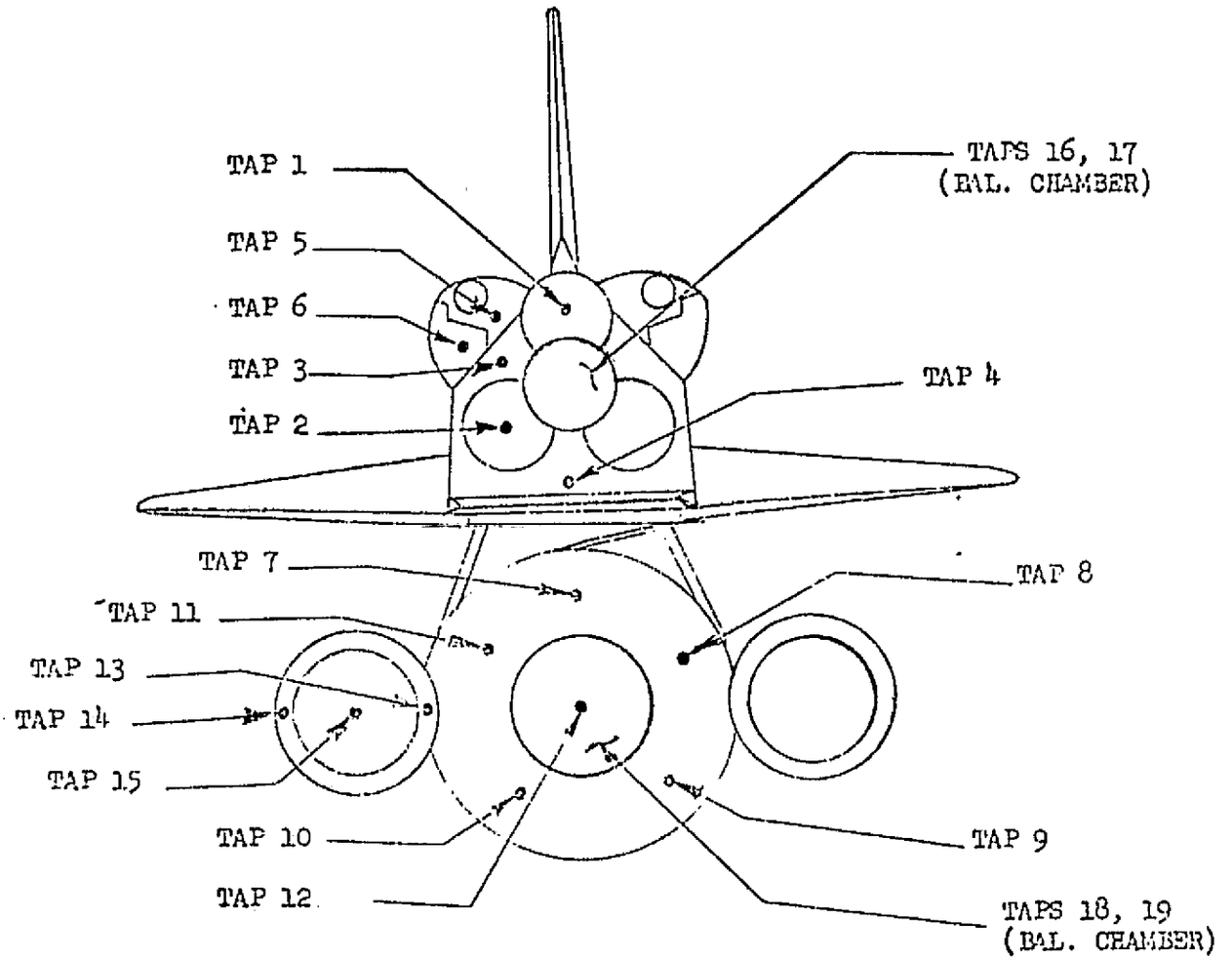
Figure 2. - Continued.

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d. (T_{28}) External Tank Protuberances

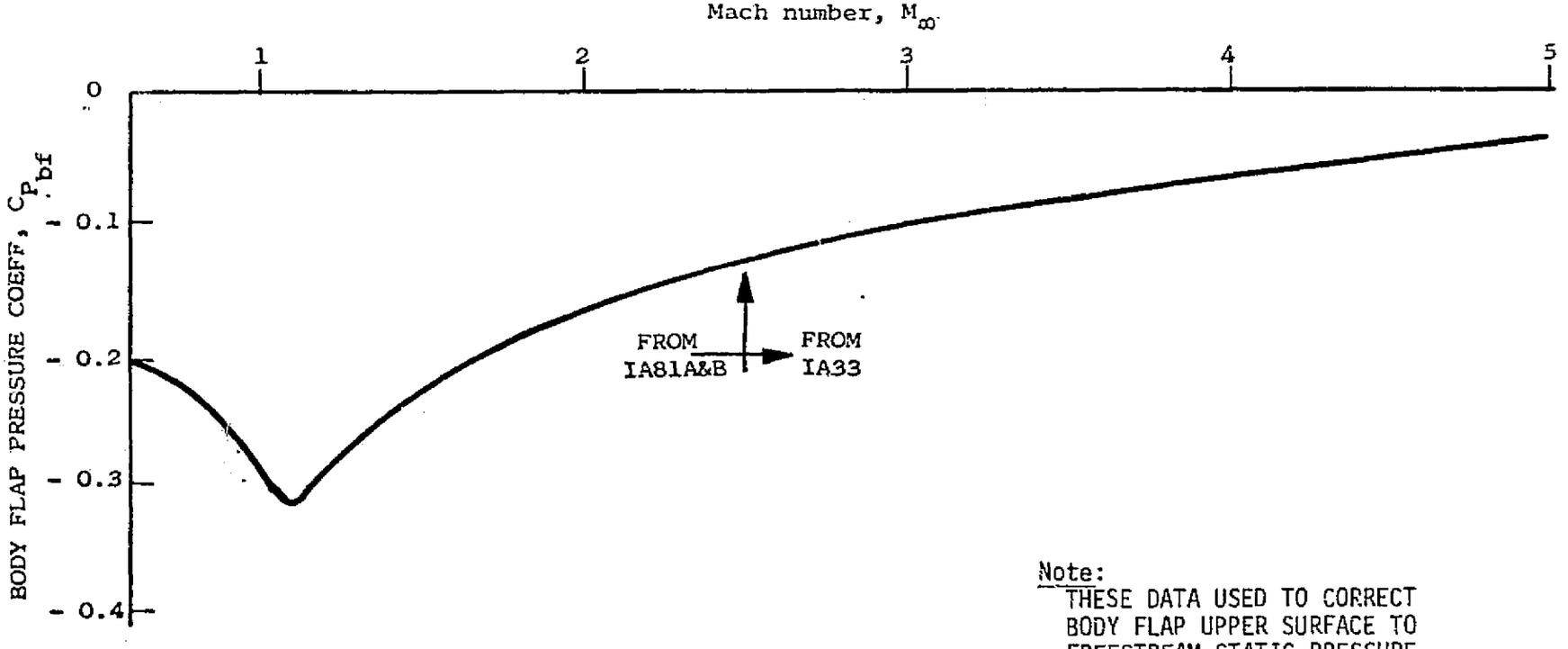
Figure 2. - Continued.



Location	Pressure Tap Numbers	Manifold Number (i)
ORB Base	1, 2, 3, 4	i = 1
OMS base + ACPS Base	5, 6	2
ET Base	7, 8, 9, 10, 11, 12	3
SRB Base	13, 14	4
SREM Base	15	5
ORB Cavity	16, 17	6
ET Cavity	18, 19	7

e. Base Pressure Instrumentation

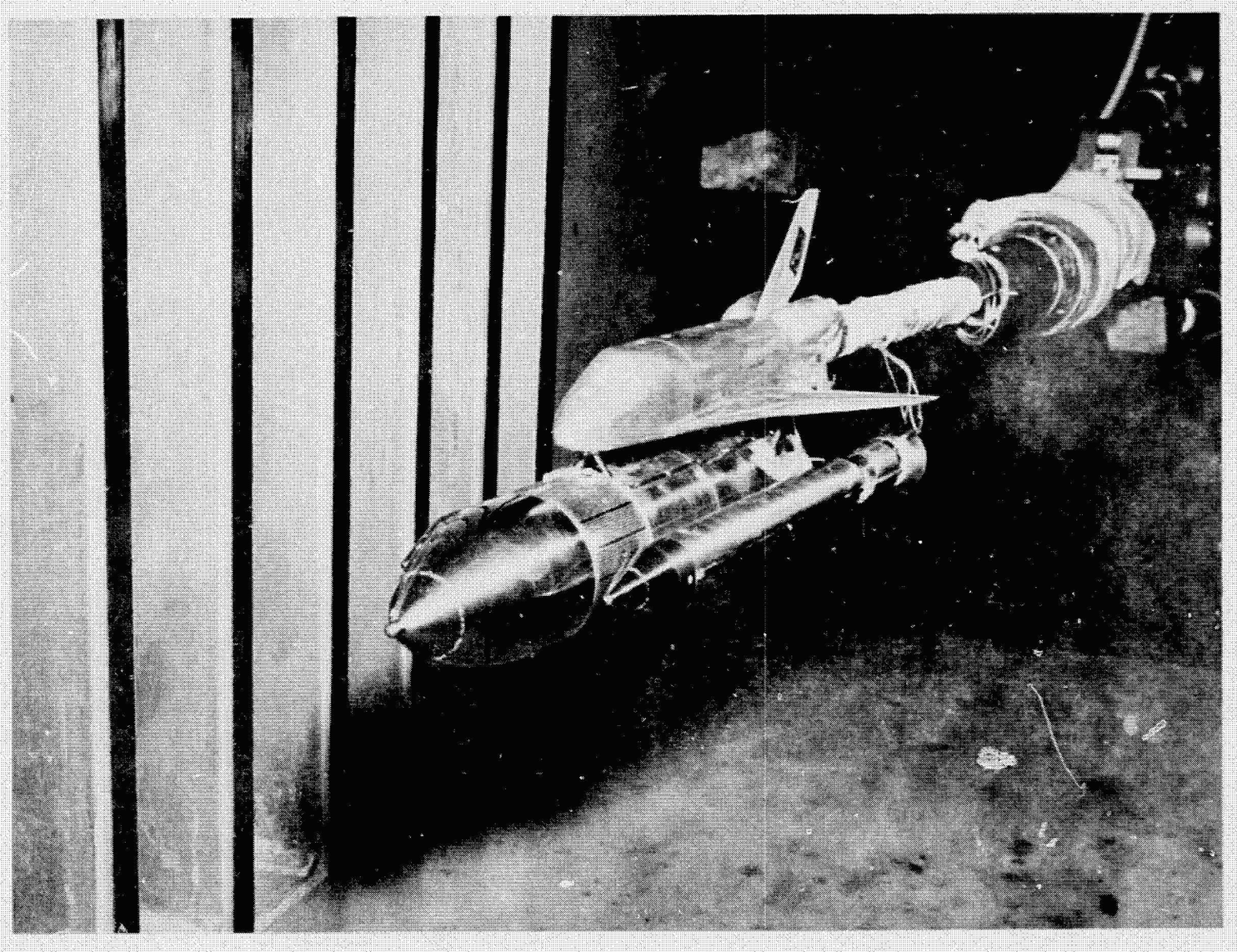
Figure 2. - Continued.



Note:
THESE DATA USED TO CORRECT BODY FLAP UPPER SURFACE TO FREESTREAM STATIC PRESSURE AS DEFINED IN DATA REDUCTION.

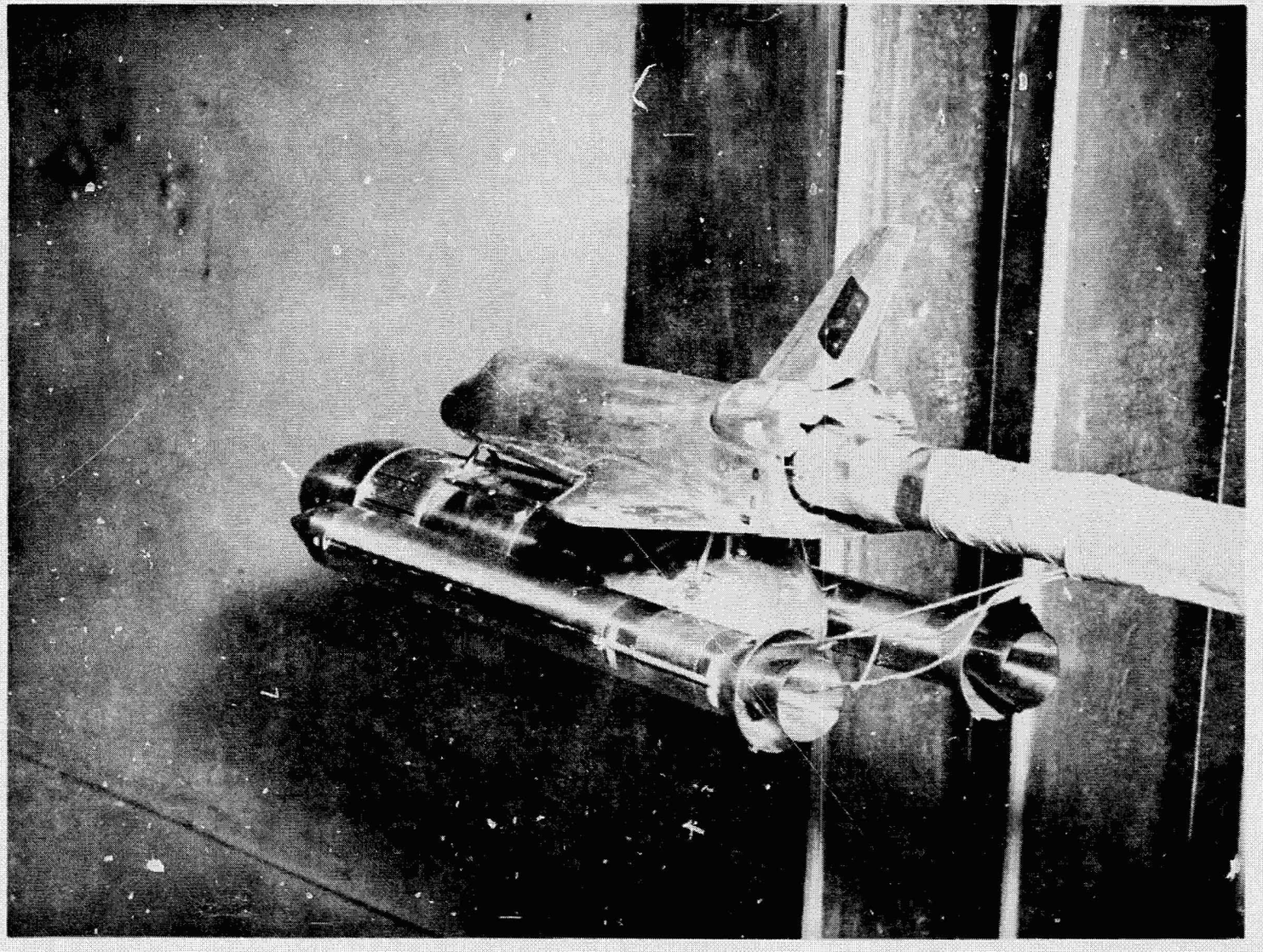
f. Orbiter Body Flap Pressure Coefficients

Figure 2. - Concluded.



a. Front View

Figure 3. - Model installation photographs.



b. Rear View

Figure 3. - Concluded.

DATA FIGURES

NOTE: Some plotted data figures contain selected data from test IA43, which is documented in DMS-DR-2204.

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8003)	○	UPWT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	.000
(B-8020)	□	DATA NOT AVAILABLE		.000
(B-8001)	◇	UPWT 1088/1119 (1A-44) CONFIGURATION	T4/S7	.000
(B-8018)	△	DATA NOT AVAILABLE		.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

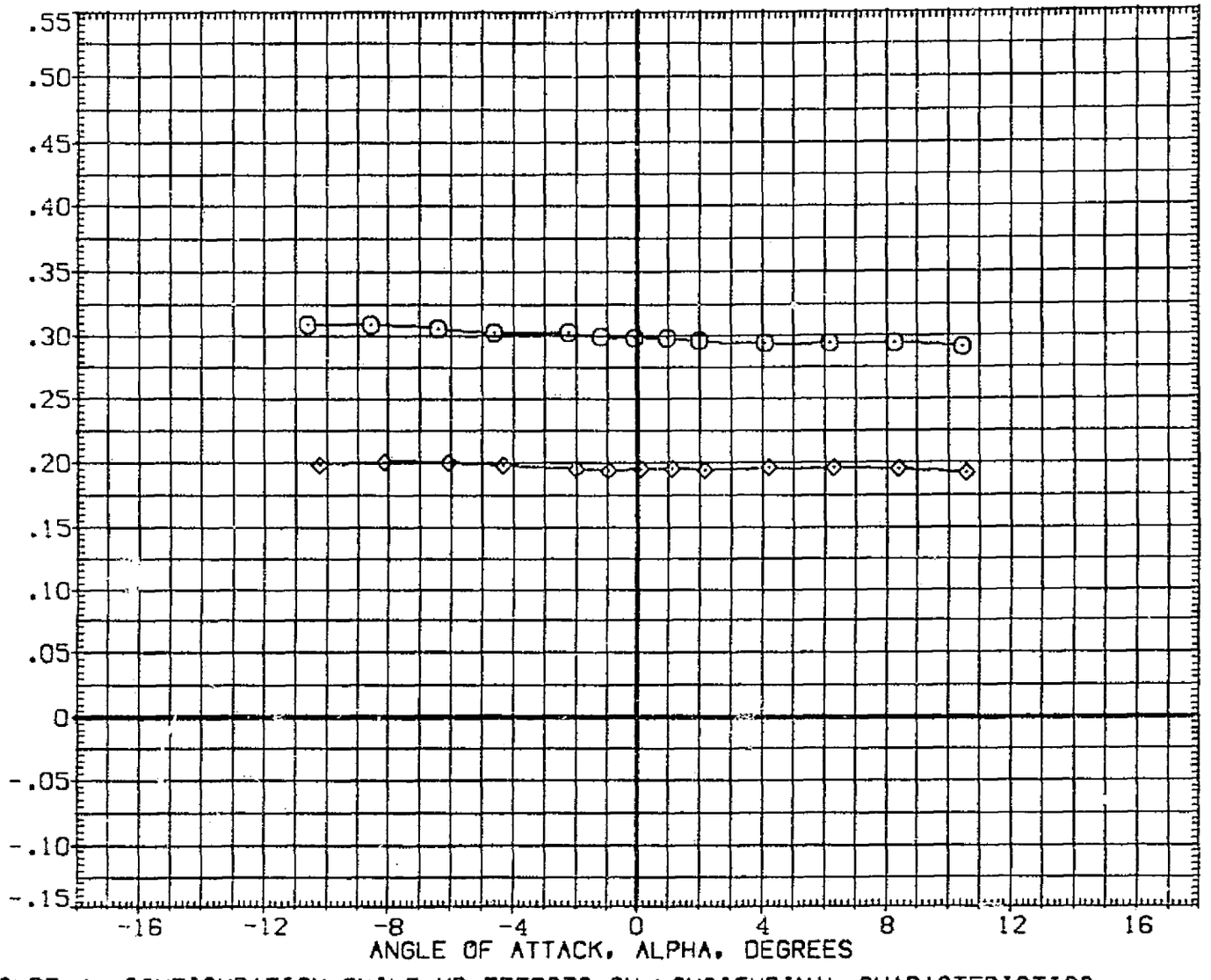


FIGURE 4 CONFIGURATION BUILD-UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

(A)MACH = 1.60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
[B-8003]	○	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
[B-8020]	□	DATA NOT AVAILABLE		.000
[B-8001]	◇	UPWT 1088/1119 (IA-44) CONFIGURATION	T4/S7	.000
[B-8018]	△	DATA NOT AVAILABLE		.000

REFERENCE INFORMATION

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BREF	1290.3000	INCHES
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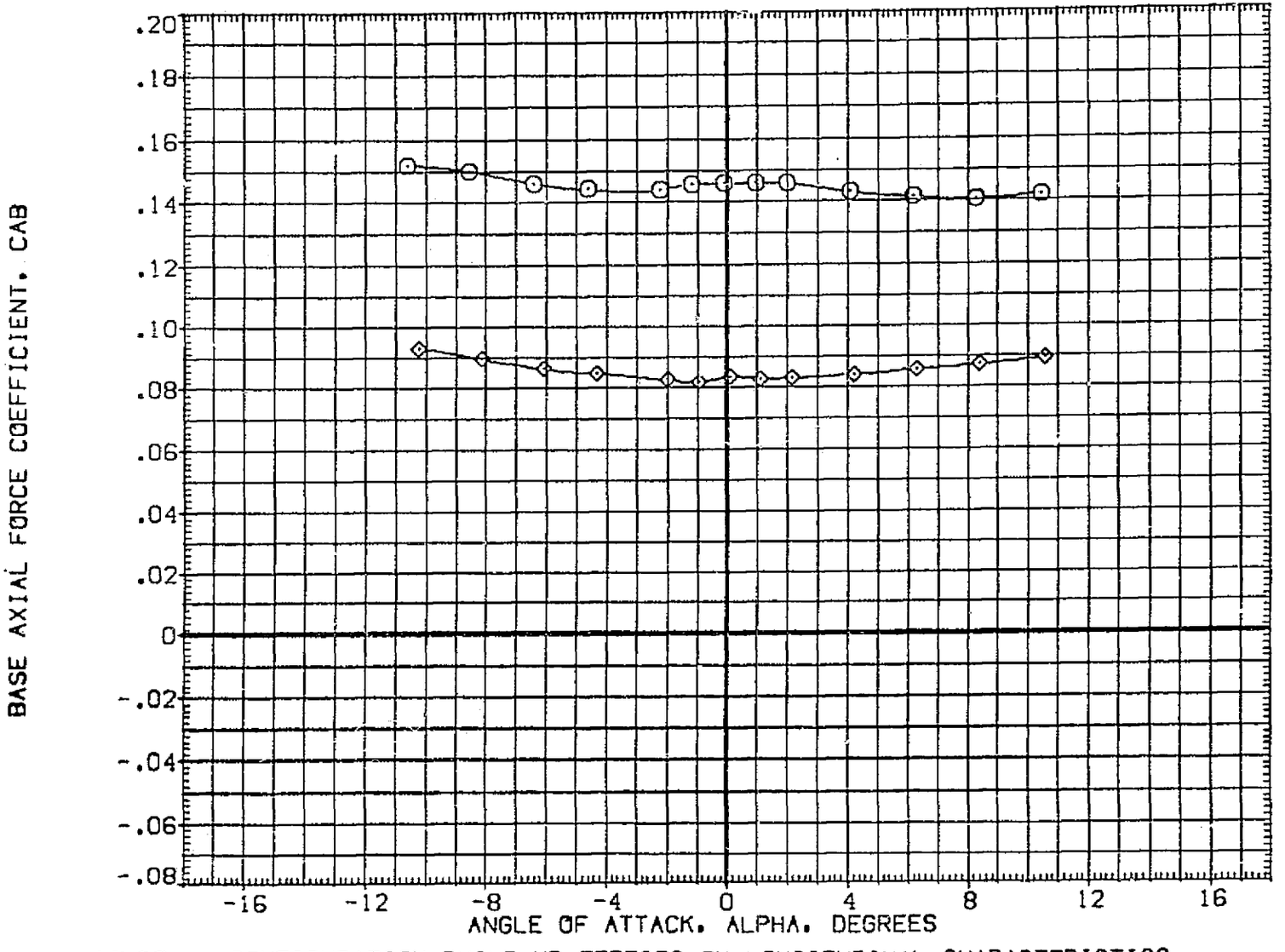


FIGURE 4 CONFIGURATION BUILD-UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

(A)MACH = 1.60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
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(B-8020)		DATA NOT AVAILABLE		.000
(B-8001)	⊠	UPWT 1088/1119 (IA-44) CONFIGURATION	T4/S7	.000
(B-8018)	△	DATA NOT AVAILABLE		.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

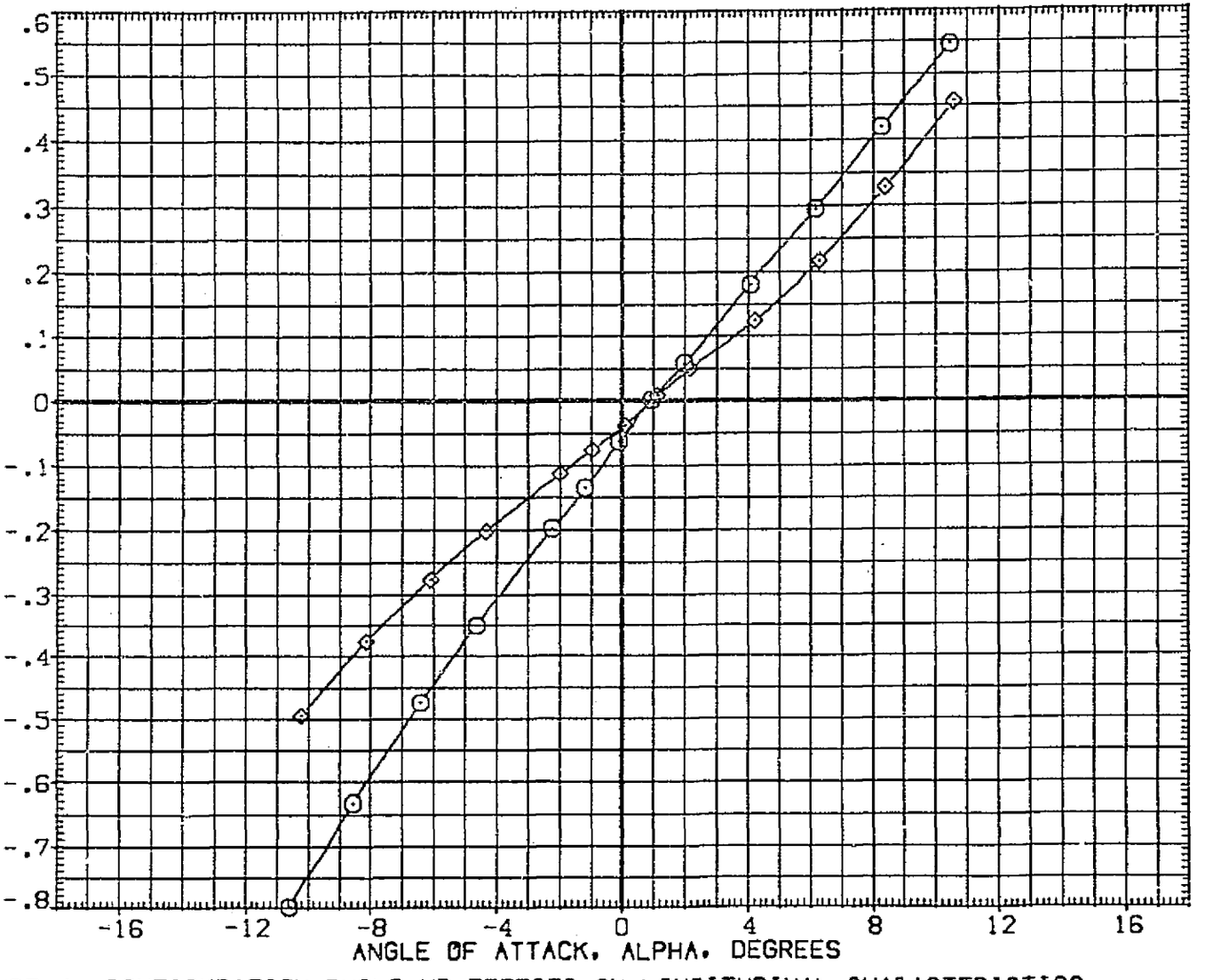


FIGURE 4 CONFIGURATION BUILD-UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

(A)MACH = 1.60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8003)	○	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
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(B-8001)	◇	UPWT 1088/1119 (IA-44) CONFIGURATION	T4/S7	.000
(B-8018)	△	DATA NOT AVAILABLE		.000

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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	



FIGURE 4 CONFIGURATION BUILD-UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

(A)MACH = 1.60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
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(B-8001)	◇	UPWT 1088/1119 (IA-44) CONFIGURATION	T4/S7	.000
(B-8018)	△	DATA NOT AVAILABLE		.000

REFERENCE INFORMATION

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BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

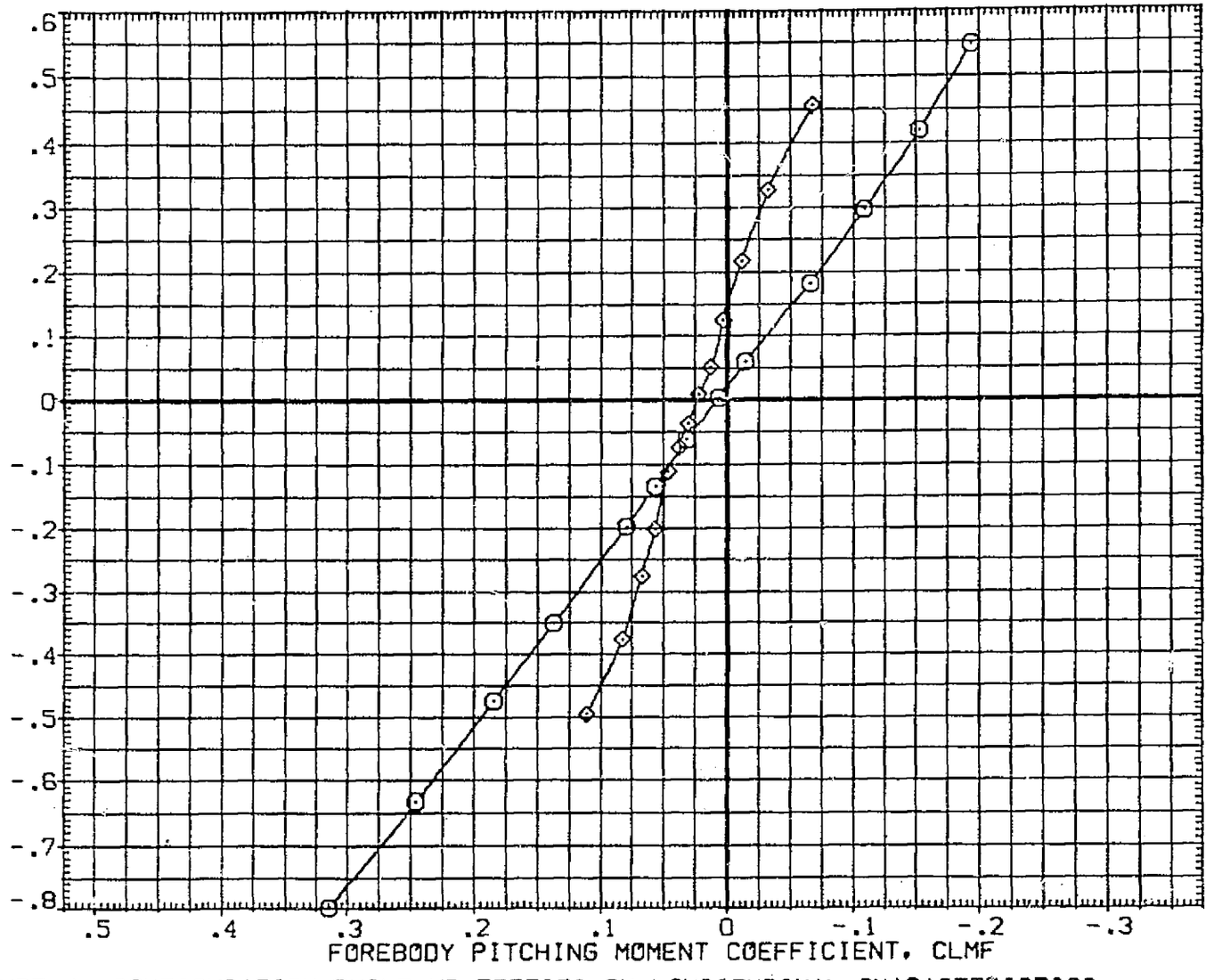


FIGURE 4 CONFIGURATION BUILD-UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

(A)MACH = 1.60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
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(B-8020)		DATA NOT AVAILABLE		.000
(B-8001)	⊗	LPVT 1088/1119 (IA-44) CONFIGURATION	T4/S7	.000
(B-8018)	△	DATA NOT AVAILABLE		.000

REFERENCE INFORMATION

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BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
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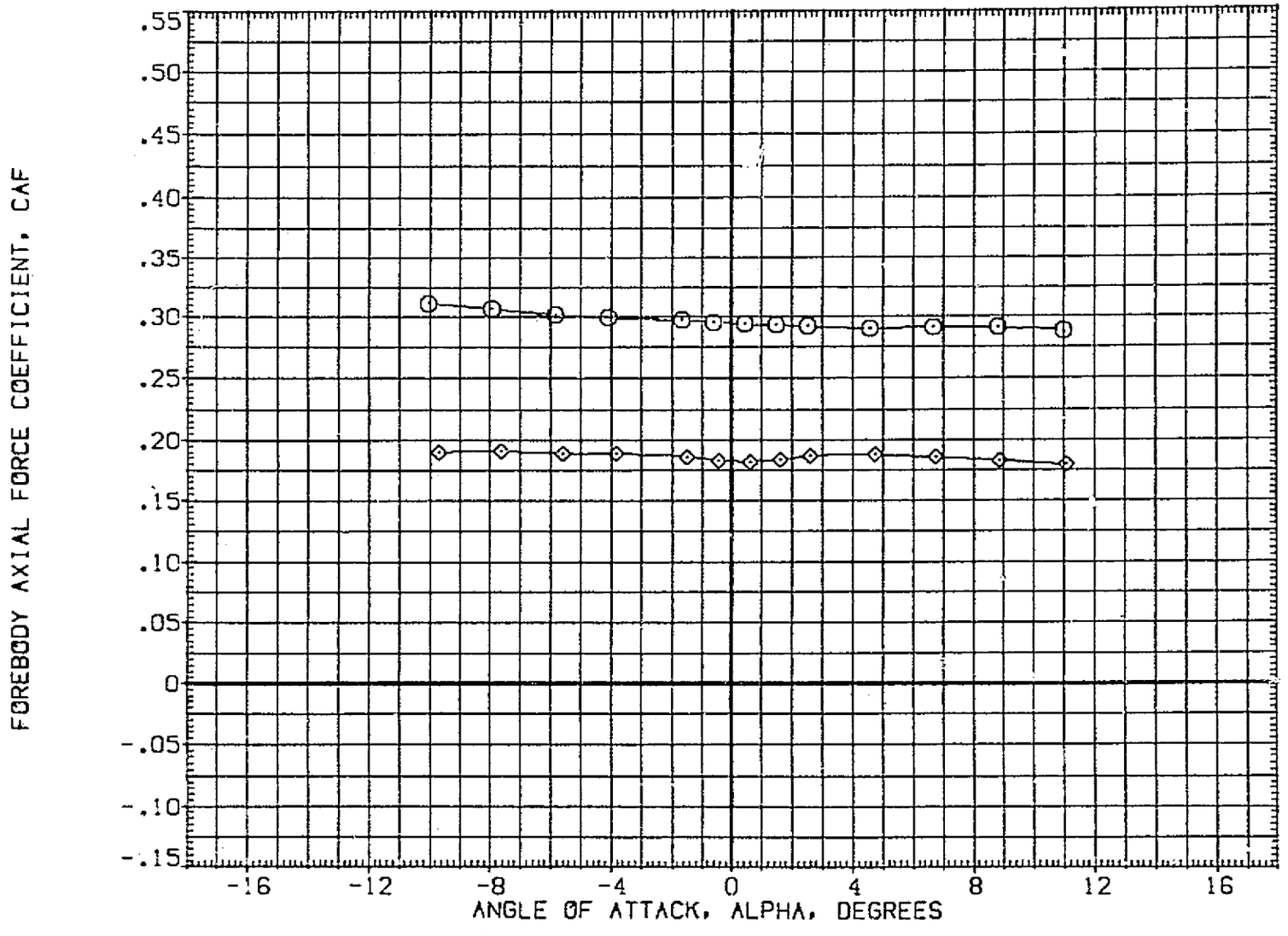


FIGURE 4 CONFIGURATION BUILD-UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

(B)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
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(B-8020)	⊠	DATA NOT AVAILABLE		.000
(B-8001)	◇	LPVT 1088/1119 (1A-44) CONFIGURATION	T4/S7	.000
(B-8018)	△	DATA NOT AVAILABLE		.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
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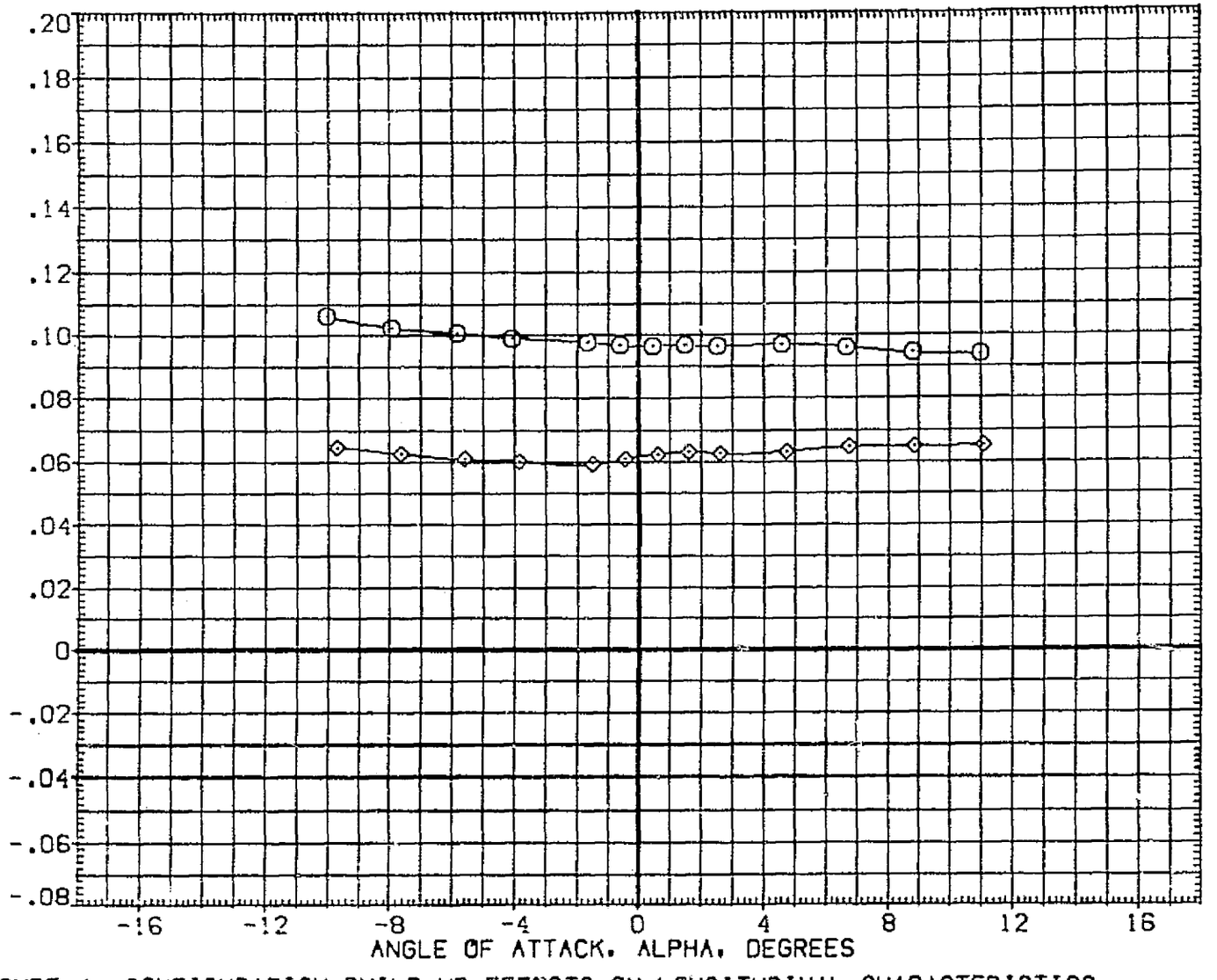


FIGURE 4 CONFIGURATION BUILD-UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

(B) MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
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(B-8051)	◇	UPWT 1088/1119 (1A-44) CONFIGURATION	T4/S7	.000
(B-8018)	△	DATA NOT AVAILABLE		.000

REFERENCE INFORMATION

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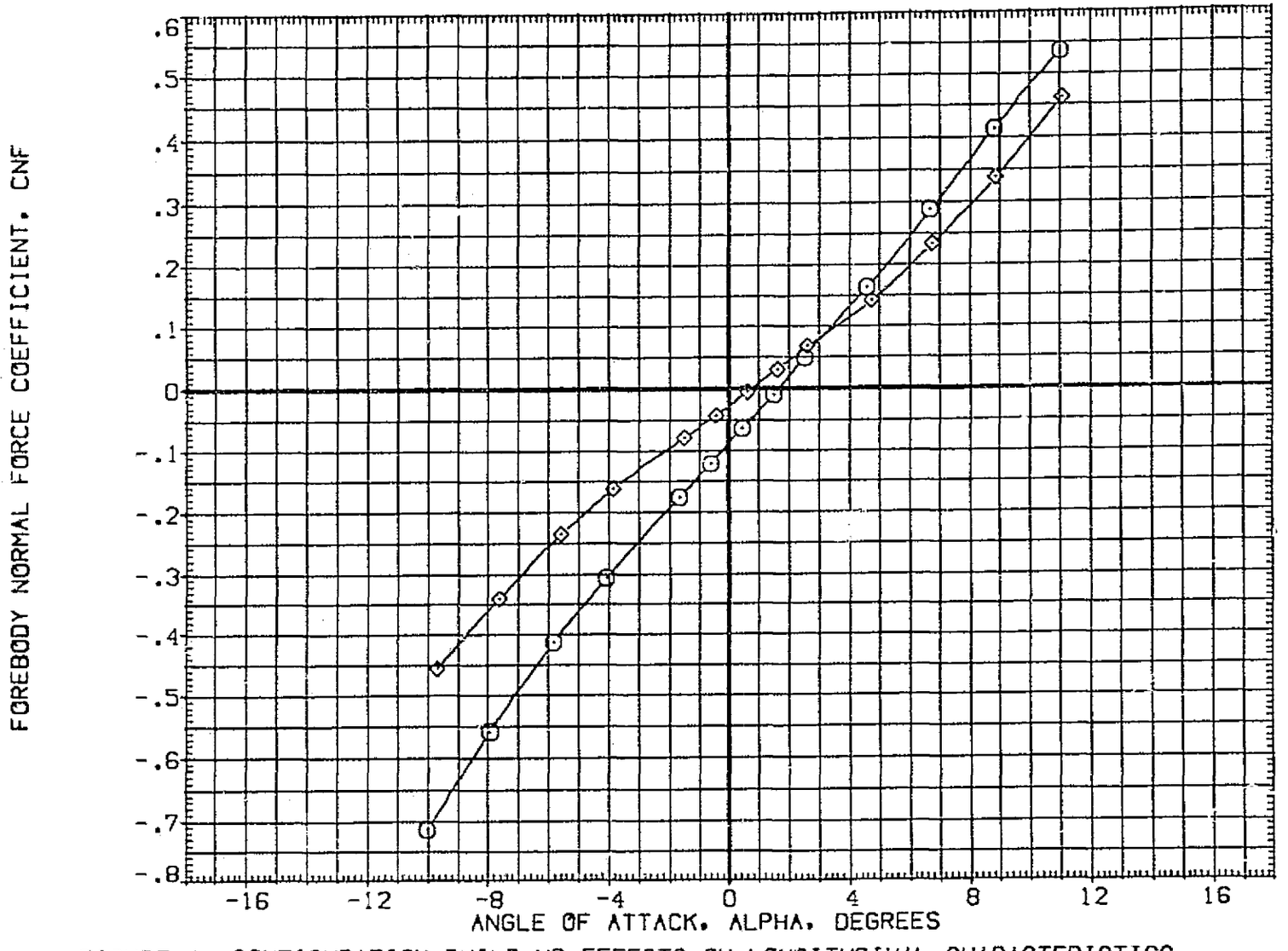


FIGURE 4 CONFIGURATION BUILD-UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

(B)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8003)	○	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
(B-8020)		DATA NOT AVAILABLE		.000
(B-8001)	◇	UPWT 1088/1119 (IA-44) CONFIGURATION	T4/S7	.000
(B-8018)	△	DATA NOT AVAILABLE		.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

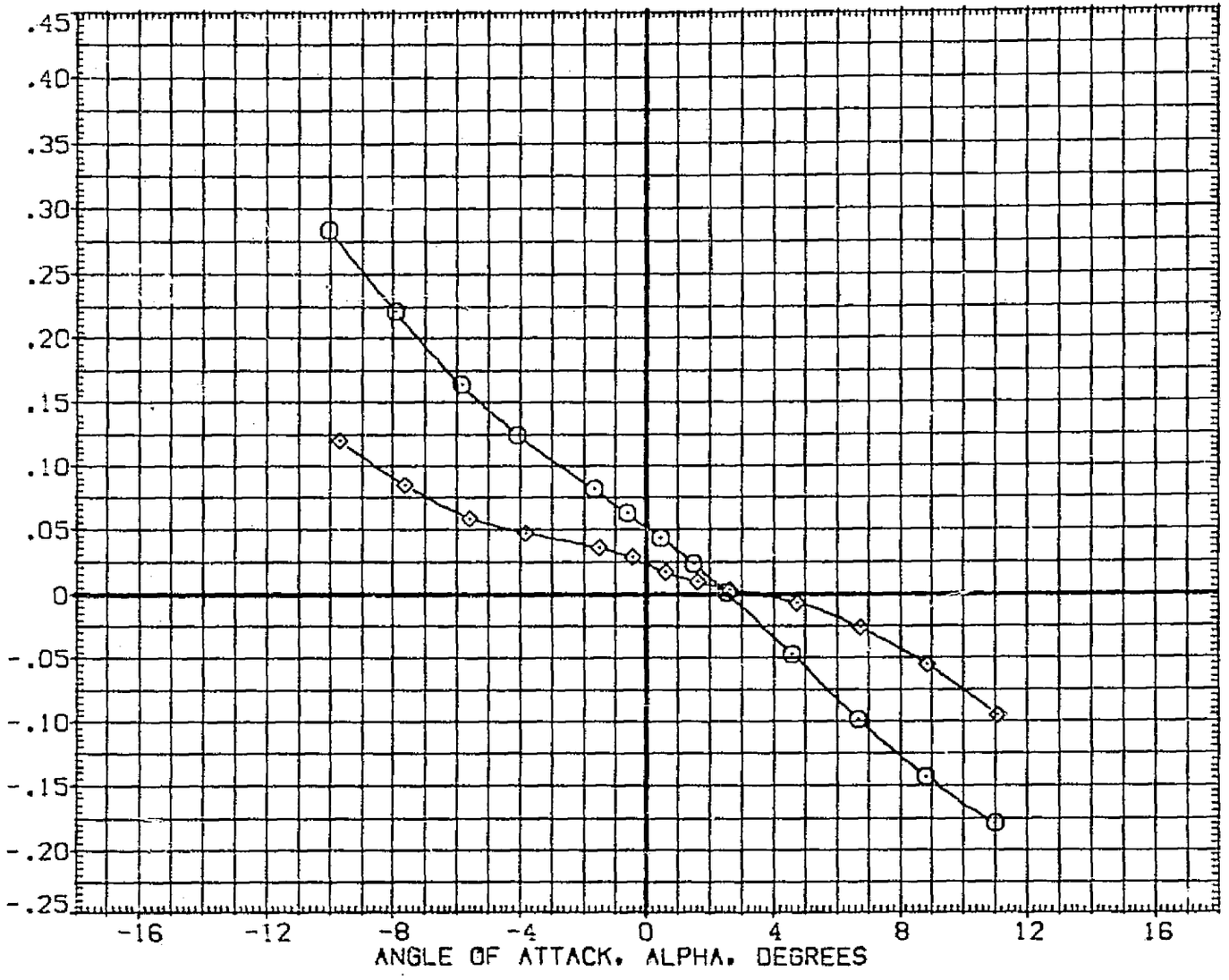


FIGURE 4 CONFIGURATION BUILD-UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

(B)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8003)	○	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
(B-8020)		DATA NOT AVAILABLE		.000
(B-8001)	⊗	UPWT 1088/1119 (IA-44) CONFIGURATION	T4/S7	.000
(B-8018)	△	DATA NOT AVAILABLE		.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

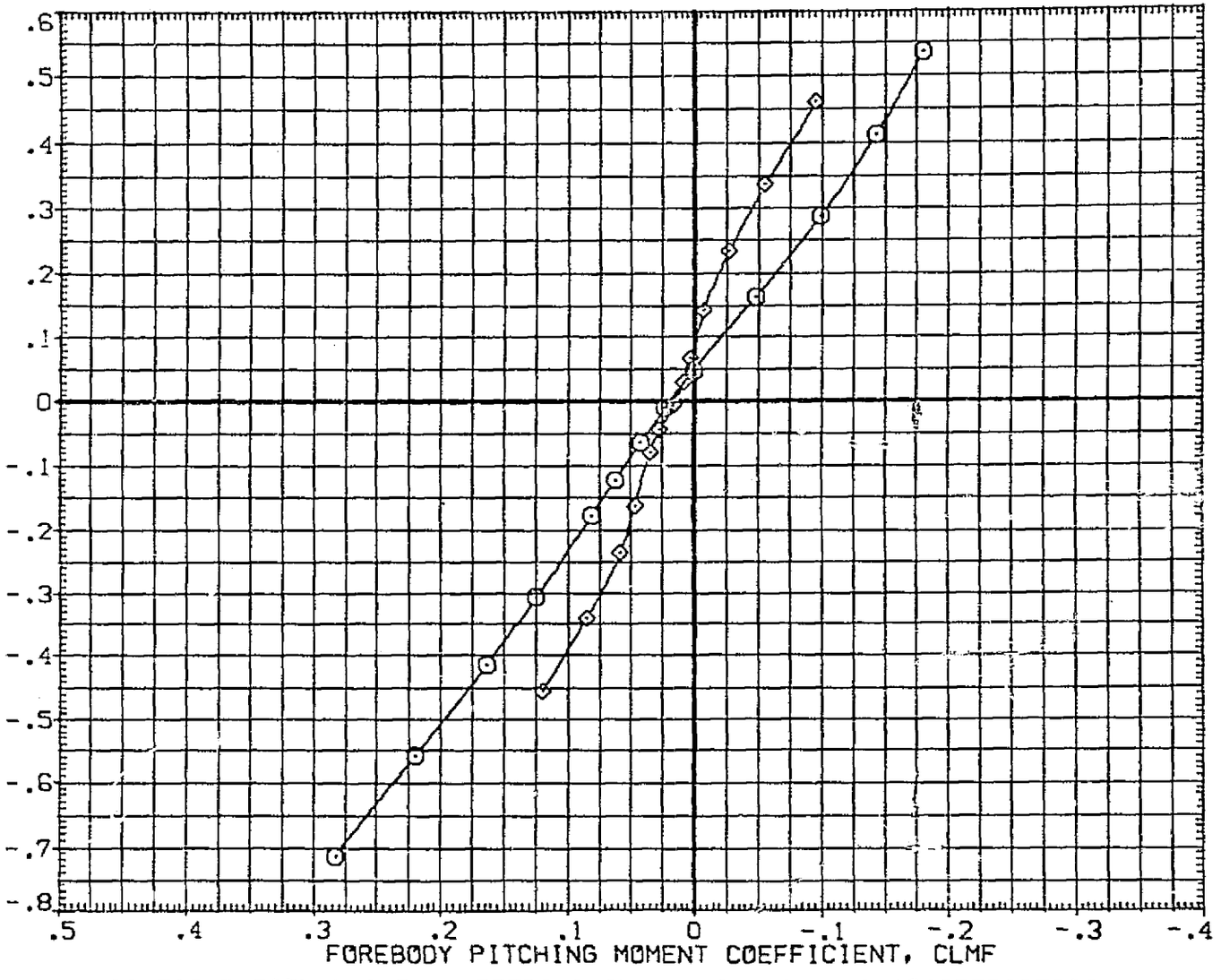


FIGURE 4 CONFIGURATION BUILD-UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

(B)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8003)	○	UPWT 1088/1119 (IA-44) CONFIGURATION	D2/T4/S7	.000
(B-8020)	□	UPWT 1088/1119 (IA-44) CONFIGURATION	D2/T4	.000
(B-8001)	⊠	UPWT 1088/1119 (IA-44) CONFIGURATION	T4/S7	.000
(B-8018)	△	DATA NOT AVAILABLE		.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

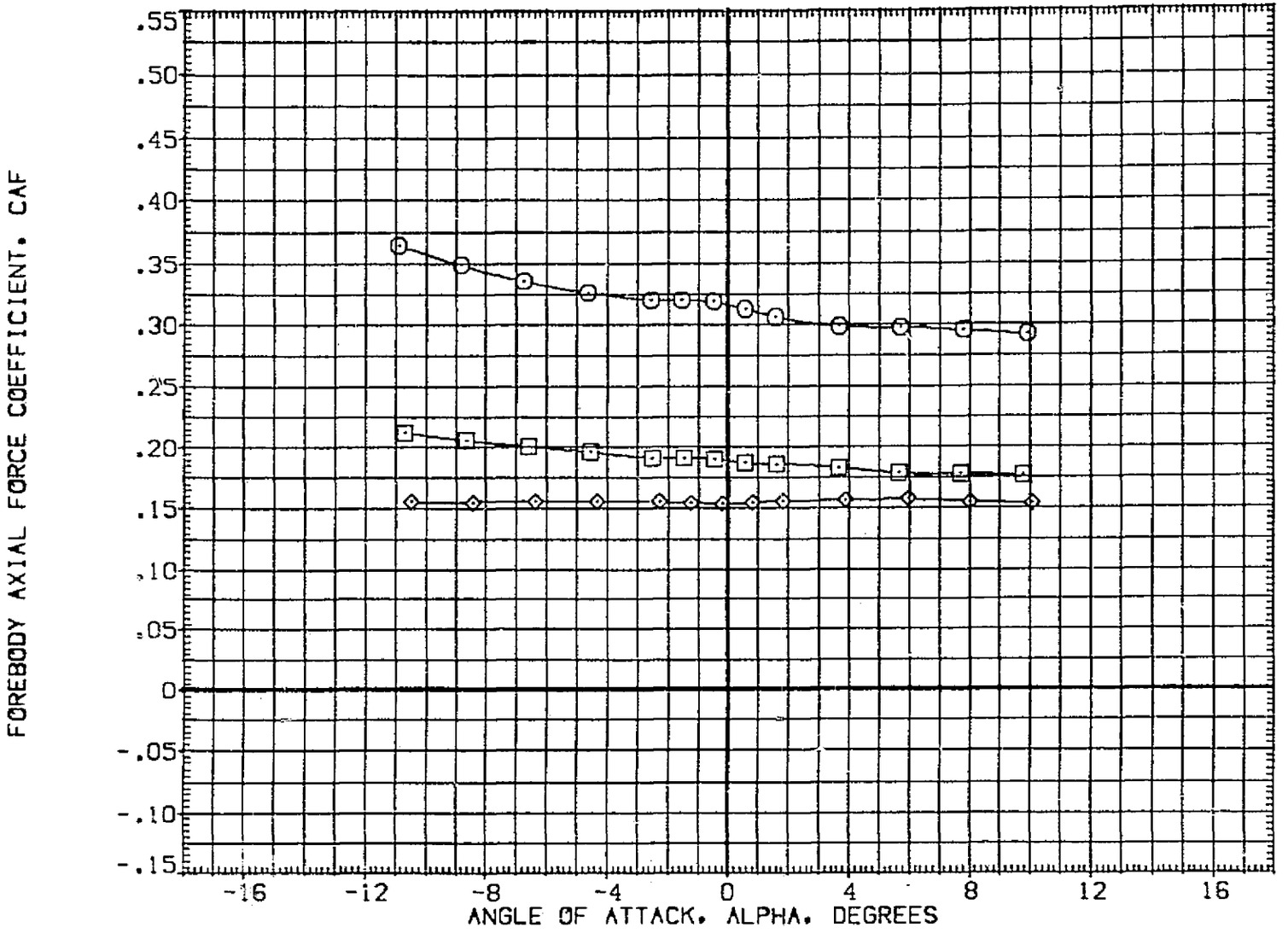


FIGURE 4 CONFIGURATION BUILD-UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

(C)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8003)	○	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
(B-8020)	□	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4	.000
(B-8001)	◇	UPWT 1088/1119 (IA-44) CONFIGURATION	T4/S7	.000
(B-8018)	△	DATA NOT AVAILABLE		.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

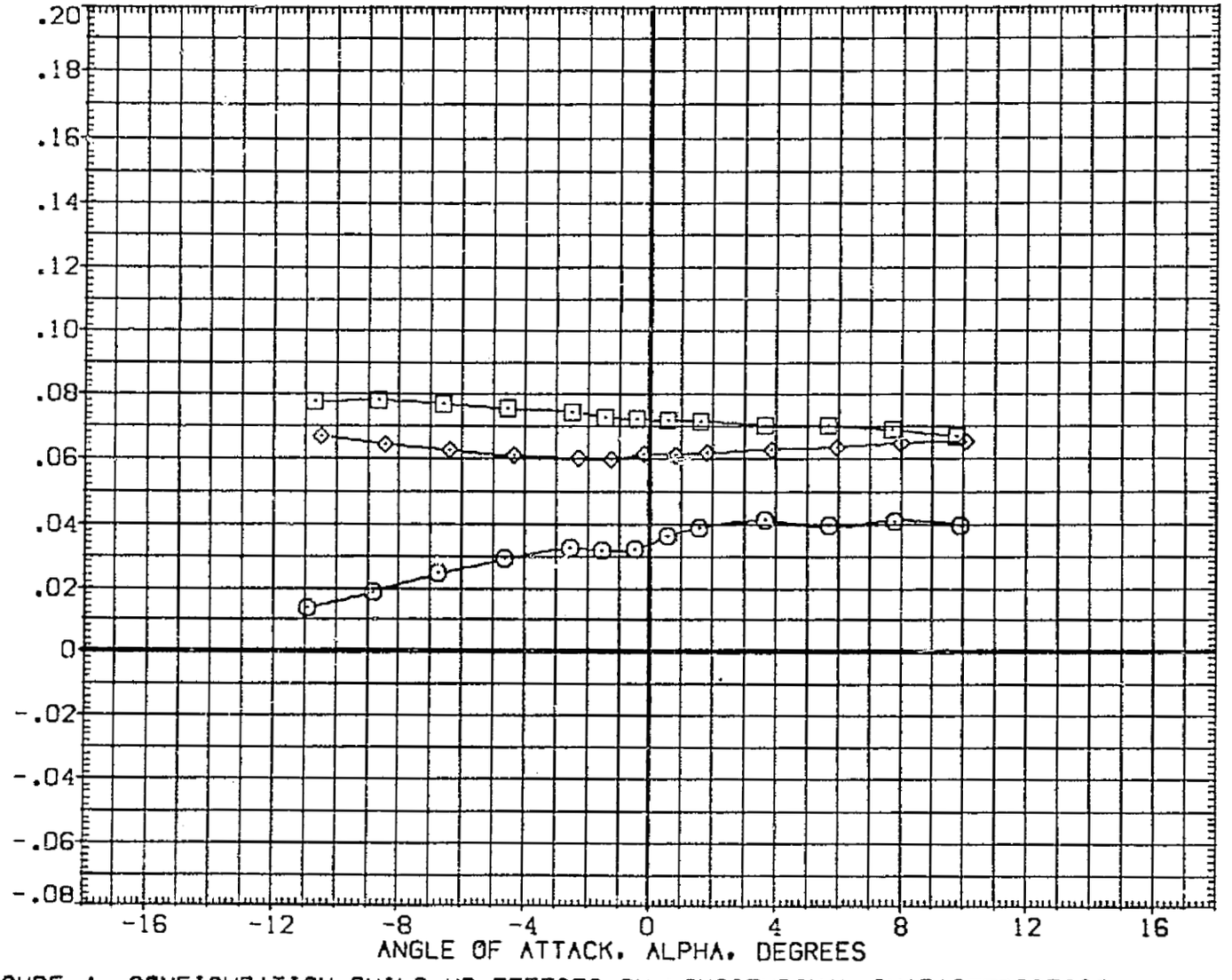


FIGURE 4 CONFIGURATION BUILD-UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

(C)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
[B-8003]	□	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
[B-8020]	◇	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4	.000
[B-8001]	⊠	UPWT 1088/1119 (IA-44) CONFIGURATION	T4/S7	.000
[B-8018]	△	DATA NOT AVAILABLE		.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

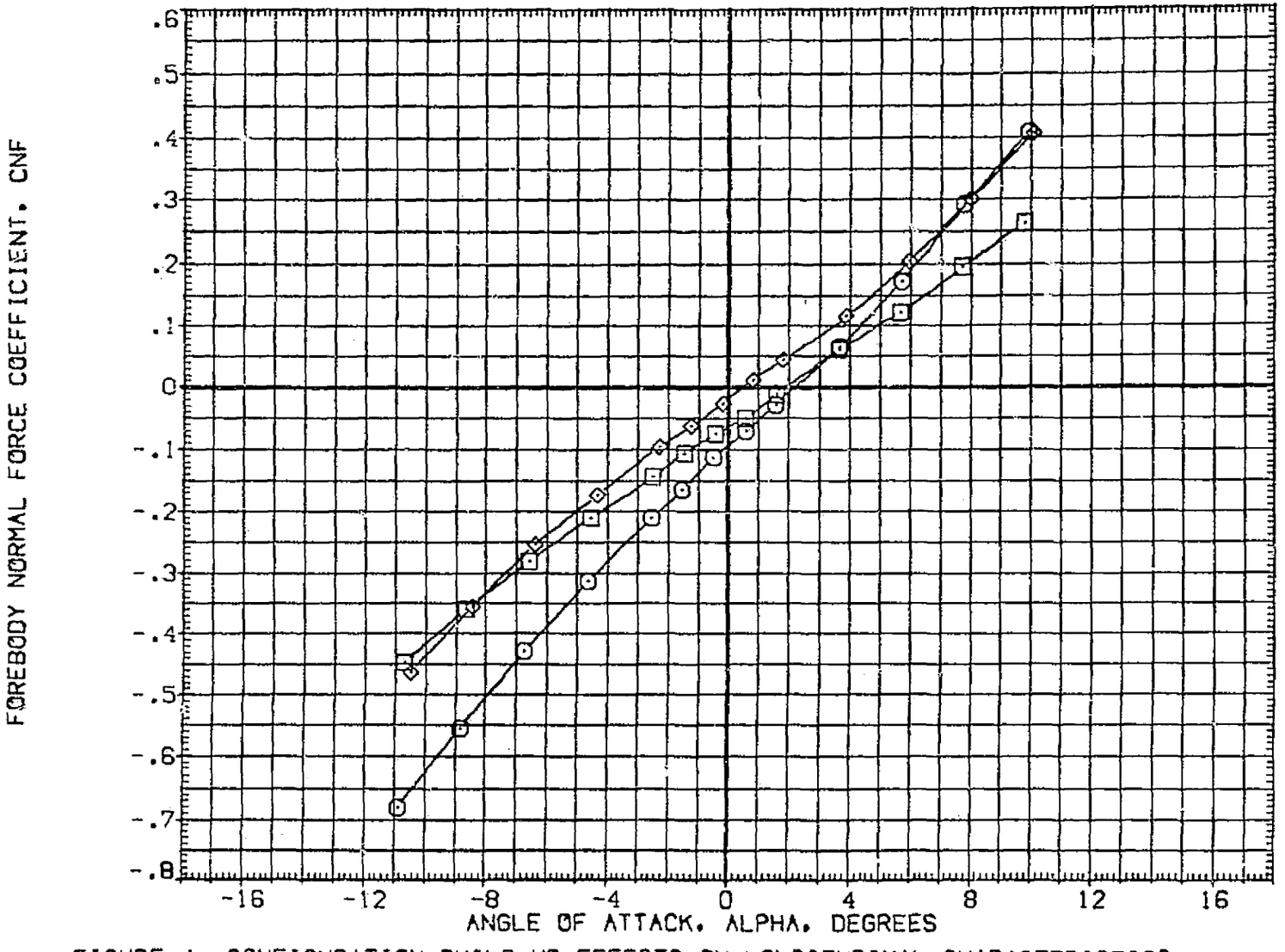


FIGURE 4 CONFIGURATION BUILD-UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

(C)MACH = 2.50

DATA SET SYMBOL		DESCRIPTION		BETA
(B-8003)	□	[illegible]-44) CONFIGURATI[illegible]	[illegible] T4/S7	.000
(B-8020)	▽	[illegible] (IA-44) CONFIGURATION	G2/T4	.000
(B-8001)	⊠	[illegible]9 (IA-44) CONFIGURATION	T4/S7	.000
(B-8018)	△	[illegible] AVAILABLE		.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

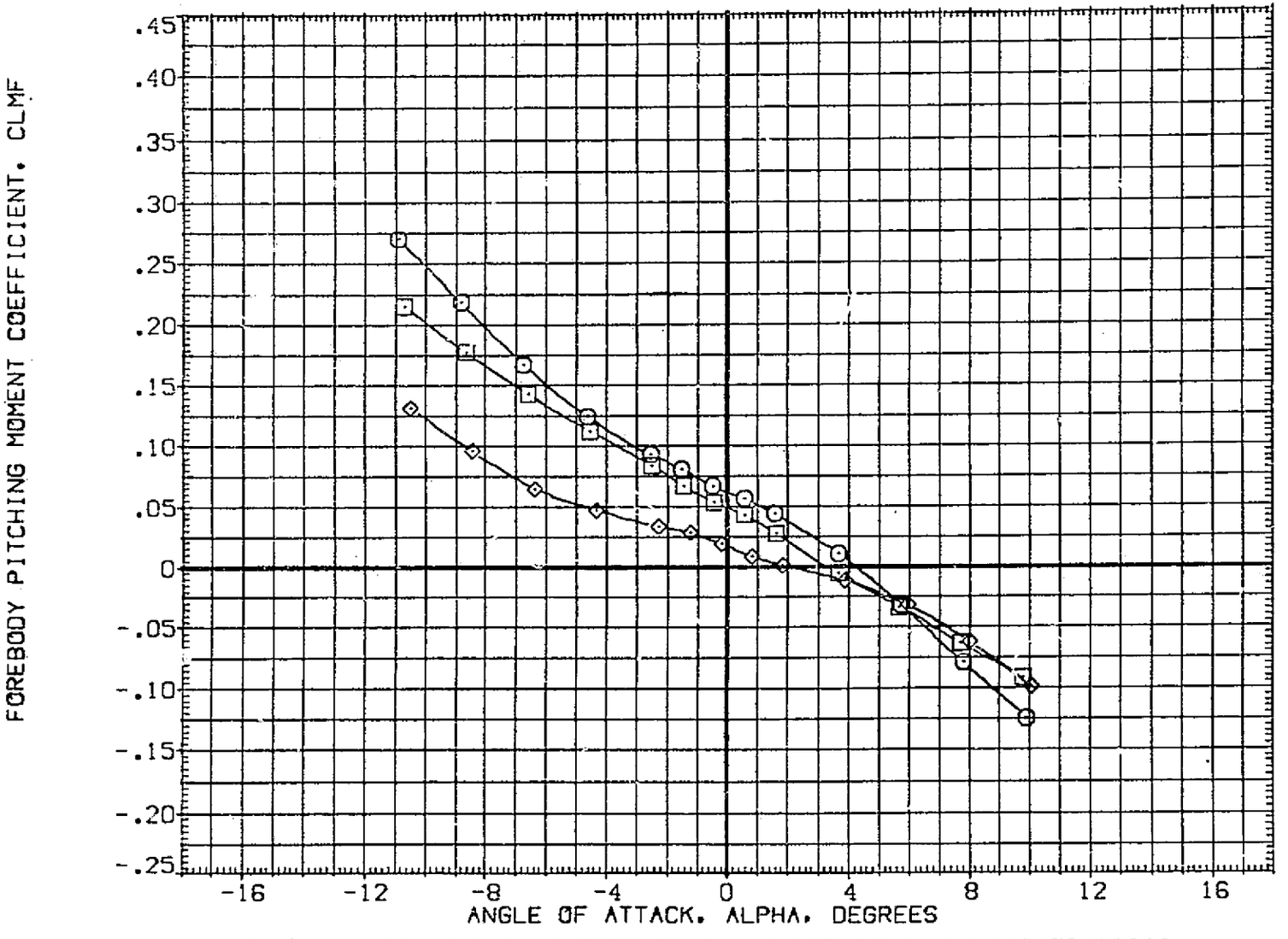


FIGURE 4 CONFIGURATION BUILD-UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

(C)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8003)	□	UPWT 1088/1119 (I* 44) CONFIGURATION	02/T4/S7	.000
(B-8020)	□	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4	.000
(B-8001)	⊠	UPWT 1088/1119 (IA-44) CONFIGURATION	T4/S7	.000
(B-8018)	△	DATA NOT AVAILABLE		.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

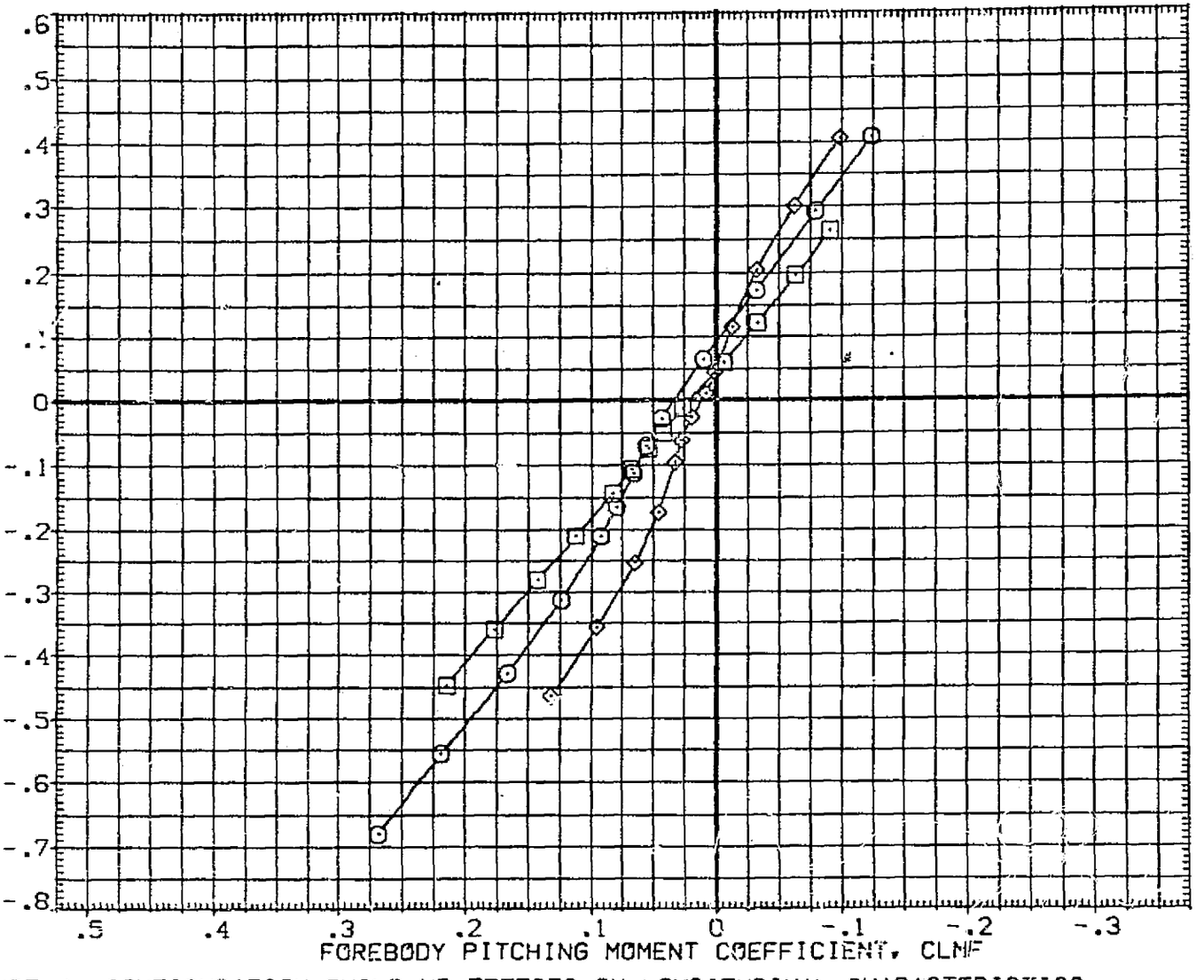


FIGURE 4 CONFIGURATION BUILD-UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

(C)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(8-8003)	○	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
(8-8020)	□	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4	.000
(8-8001)	◇	UPWT 1088/1119 (IA-44) CONFIGURATION	T4/S7	.000
(8-8018)	△	UPWT 1088/1119 (IA-44) CONFIGURATION	T4	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

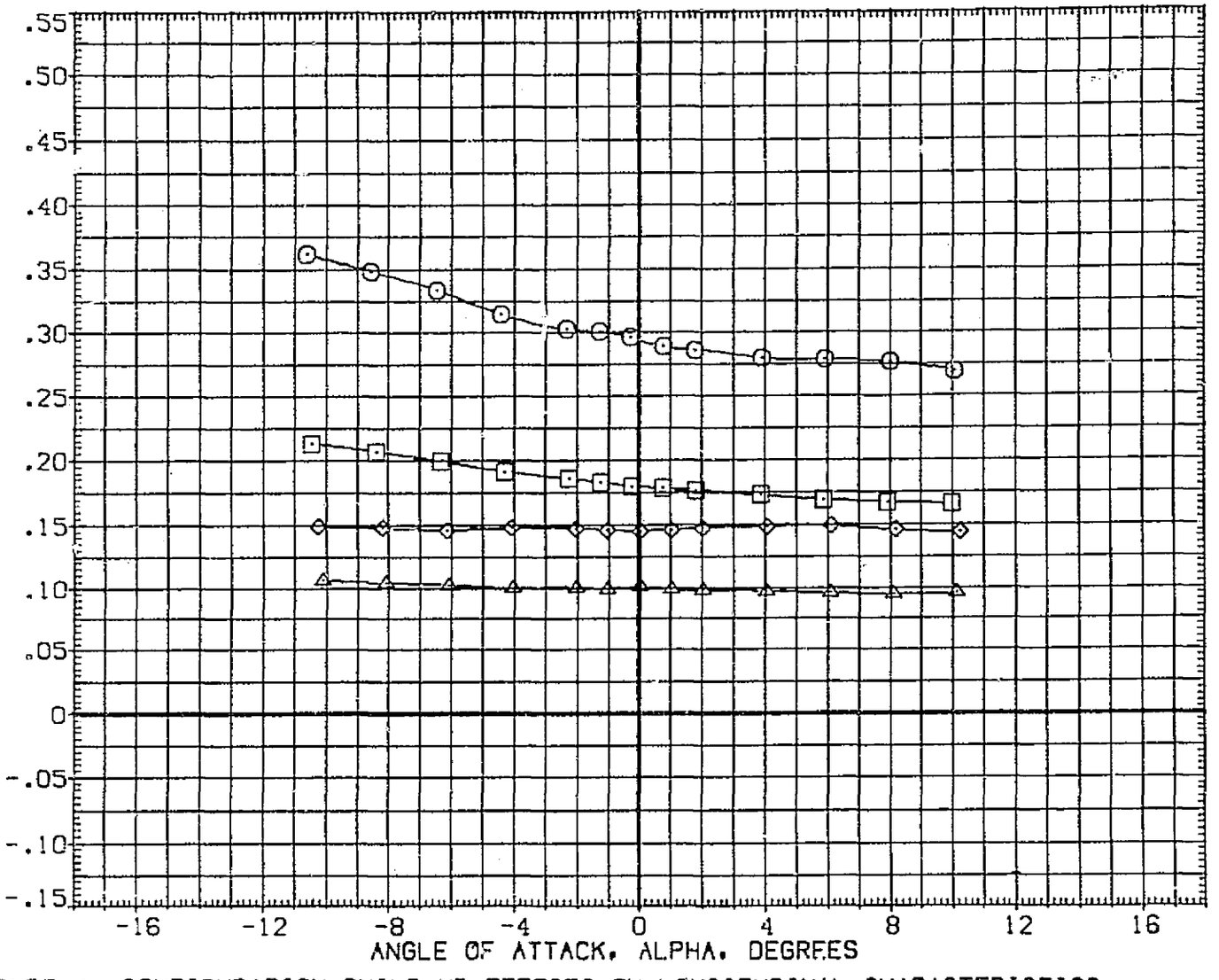


FIGURE 4 CONFIGURATION BUILD-UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

(□)MACH = 2.86

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8003)	□	UPWT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	.000
(B-8020)	○	UPWT 1088/1119 (1A-44) CONFIGURATION	02/T4	.000
(B-8001)	◇	UPWT 1088/1119 (1A-44) CONFIGURATION	T4/S7	.000
(B-8018)	△	UPWT 1088/1119 (1A-44) CONFIGURATION	T4	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

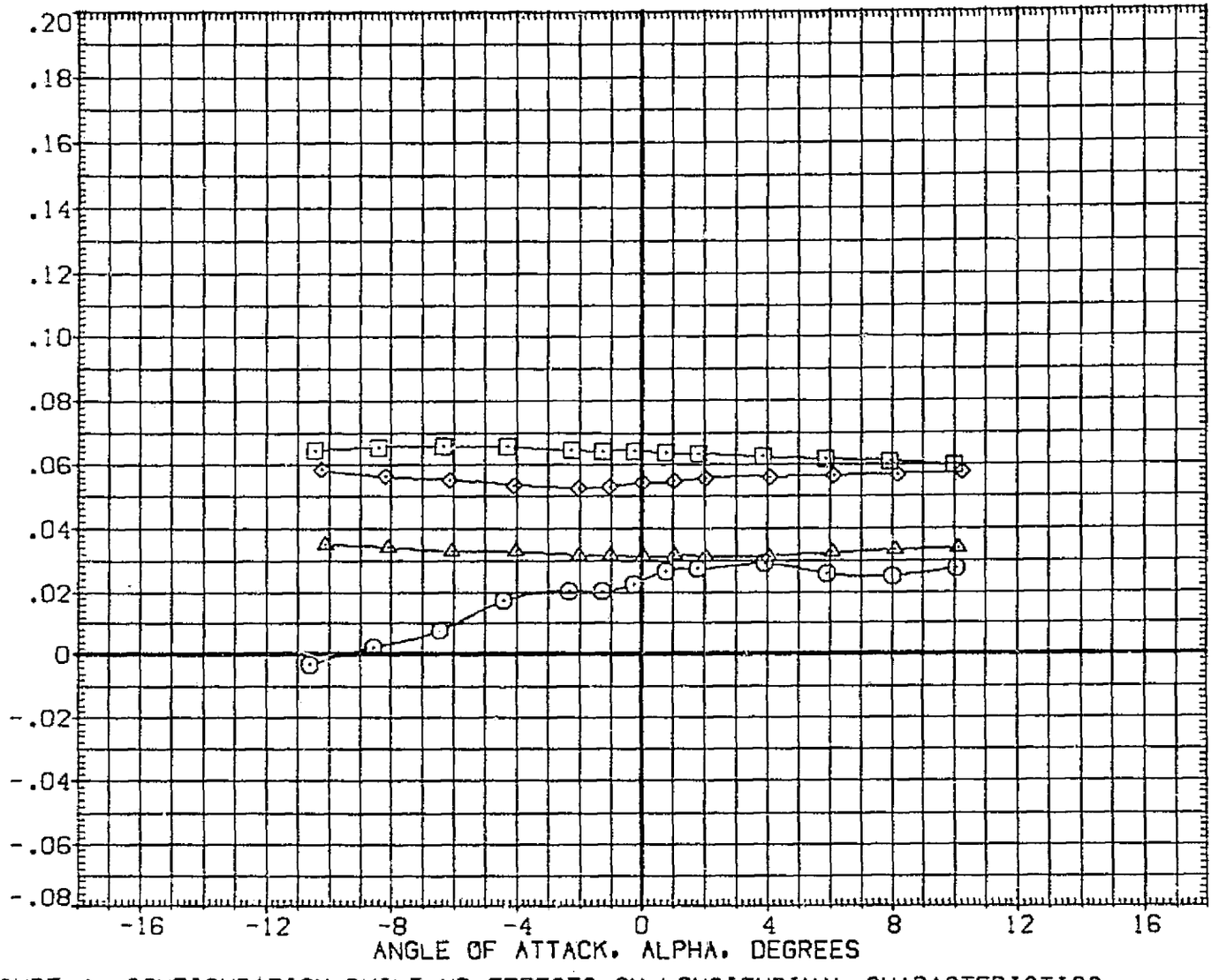


FIGURE 4 CONFIGURATION BUILD-UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

(D)MACH = 2.86

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8003)	○	UPWT 1088/1119 (IA-44) CONFIGURATION	B2/T4/S7	.000
(B-8020)	□	UPWT 1088/1119 (IA-44) CONFIGURATION	B2/T4	.000
(B-8001)	◇	UPWT 1088/1119 (IA-44) CONFIGURATION	T4/S7	.000
(B-8018)	△	UPWT 1088/1119 (IA-44) CONFIGURATION	T4	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

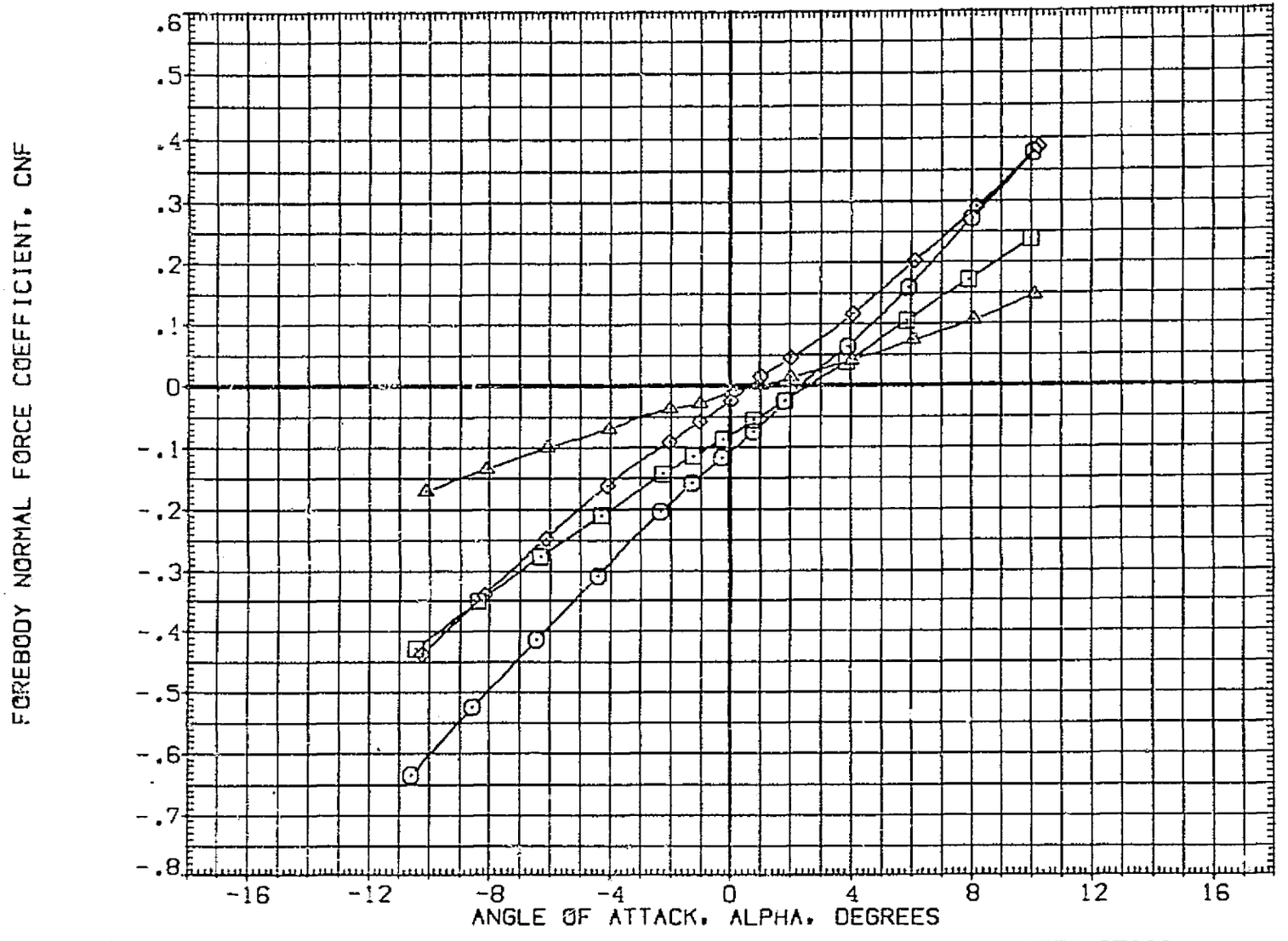


FIGURE 4 CONFIGURATION BUILD-UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

(D)MACH = 2.86

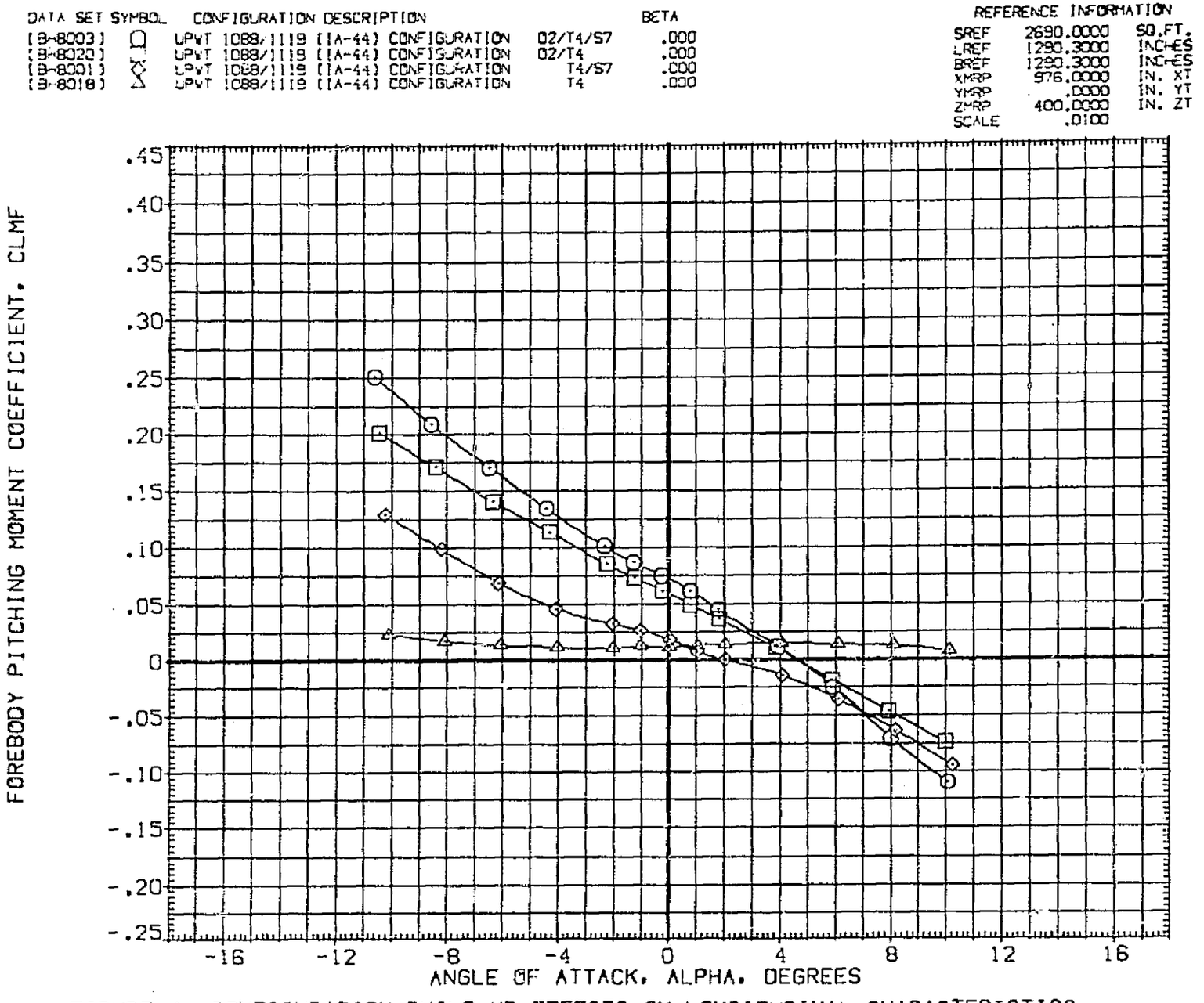


FIGURE 4 CONFIGURATION BUILD-UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

(D)MACH = 2.86

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8003)	○	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
(B-8020)	□	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4	.000
(B-8001)	⊠	UPWT 1088/1119 (IA-44) CONFIGURATION	T4/S7	.000
(B-8018)	△	UPWT 1088/1119 (IA-44) CONFIGURATION	T4	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	975.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

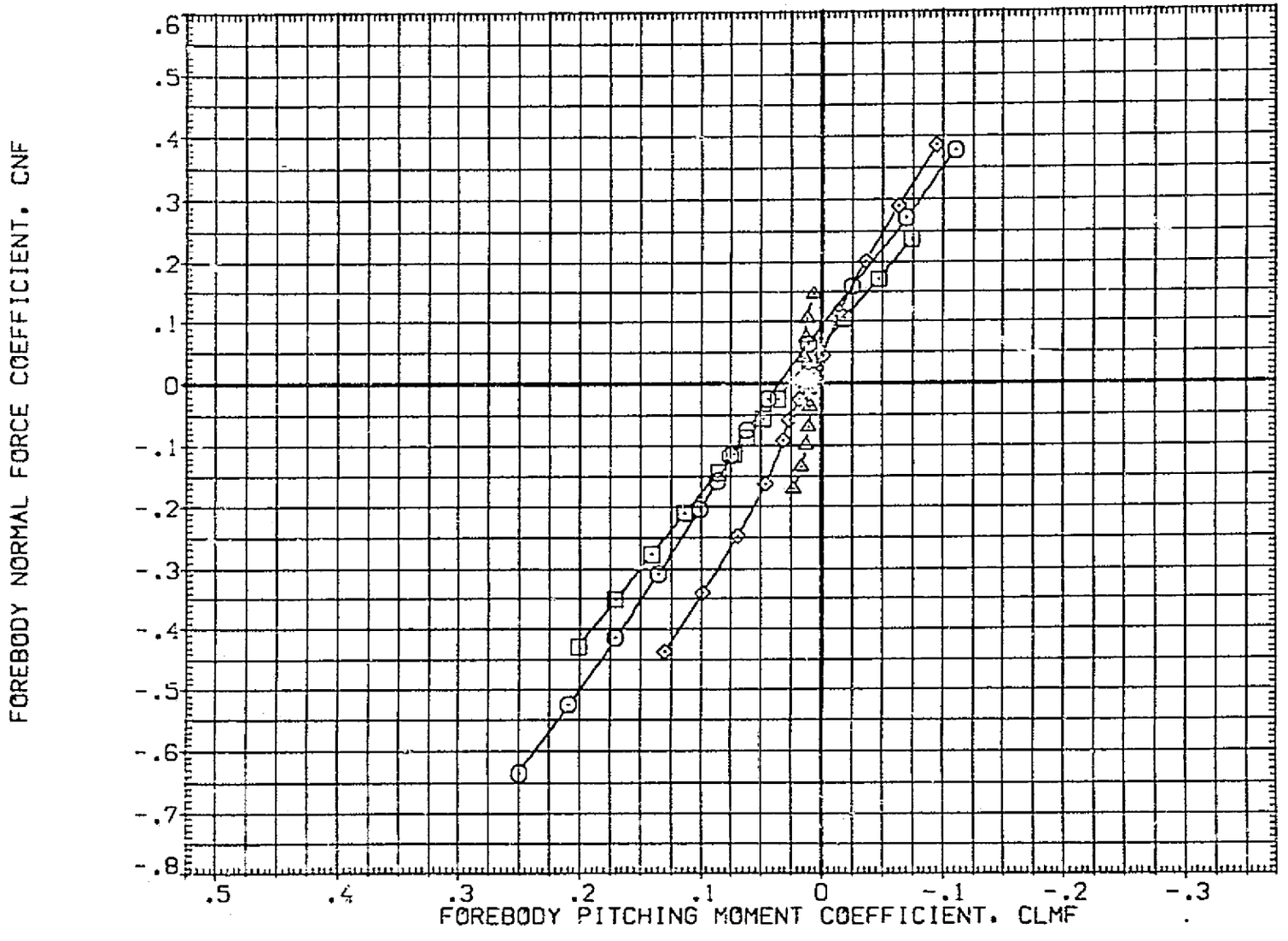


FIGURE 4 CONFIGURATION BUILD-UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

(D)MACH = 2.86

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8003)	○	UPVT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	.000
(B-8020)	□	UPVT 1088/1119 (1A-44) CONFIGURATION	02/T4	.000
(B-8001)	◇	UPVT 1088/1119 (1A-44) CONFIGURATION	T4/S7	.000
(B-8018)	△	DATA NOT AVAILABLE		.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

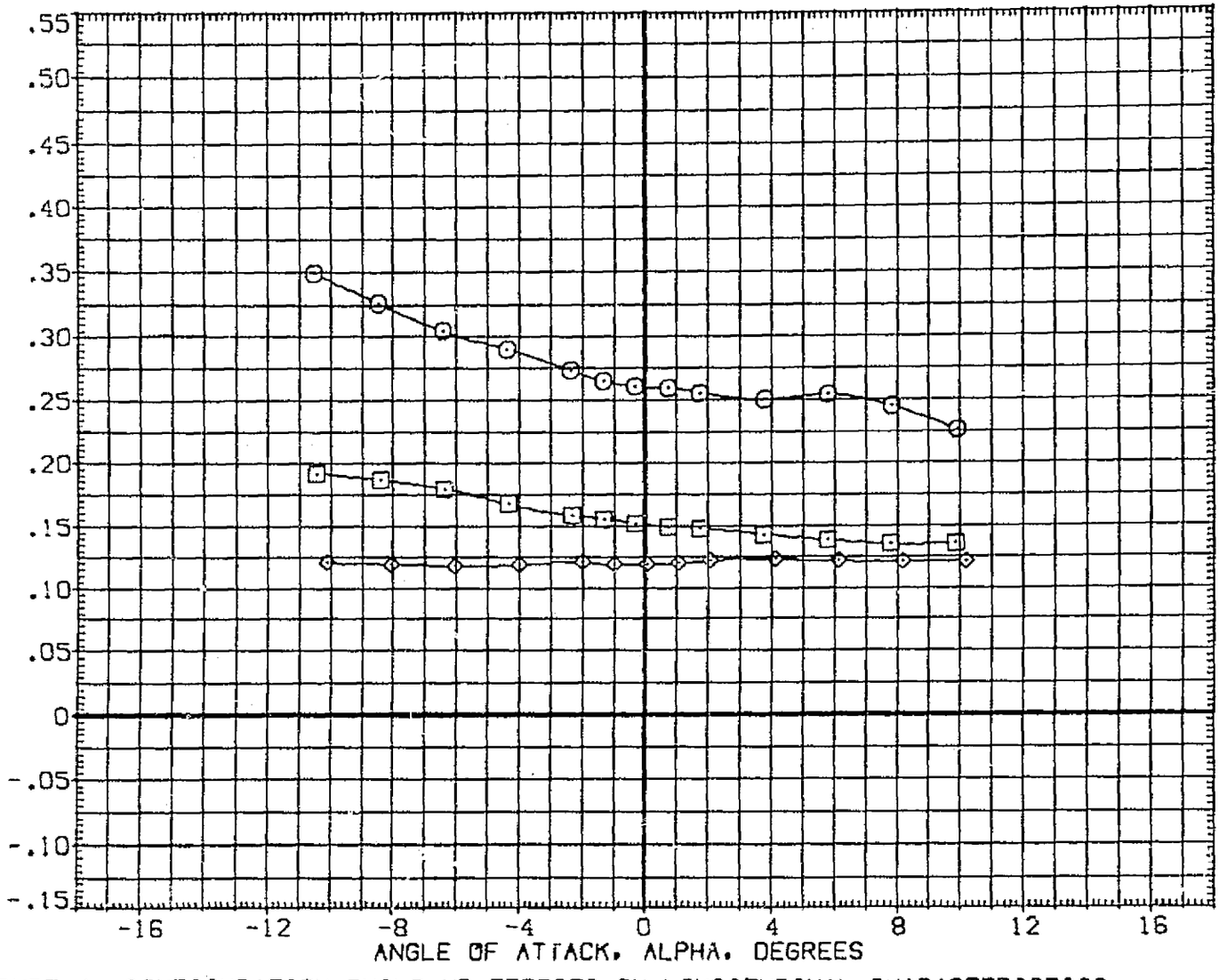


FIGURE 4 CONFIGURATION BUILD-UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

(E)MACH = 3.90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8003)	○	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
(B-8010)	□	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4	.000
(B-8001)	◇	UPWT 1088/1119 (IA-44) CONFIGURATION	T4/S7	.000
(B-8018)	△	DATA NOT AVAILABLE		.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

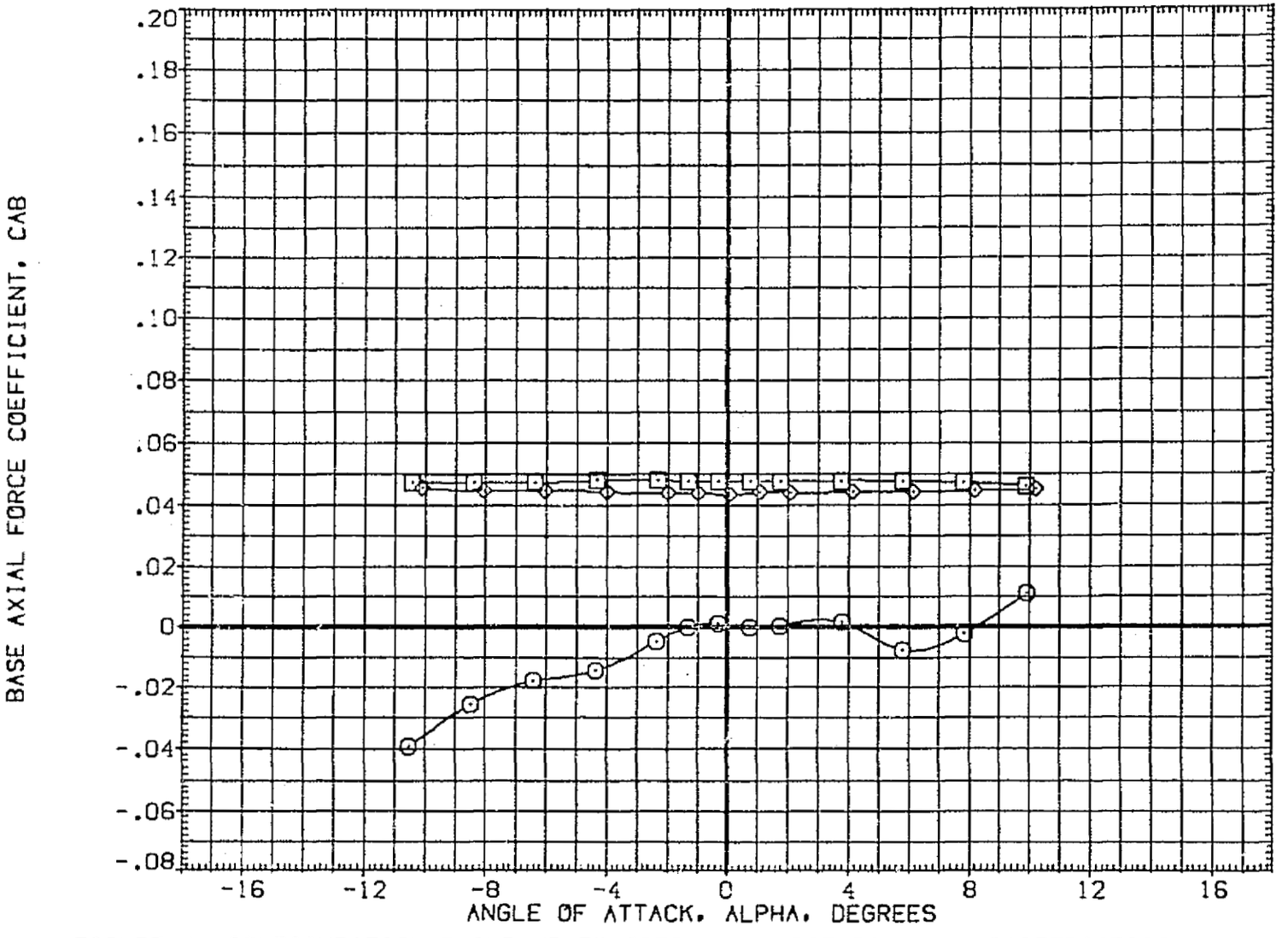


FIGURE 4 CONFIGURATION BUILD-UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

(E)MACH = 3.90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(3-8003)	○	UPWT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	.000
(3-8020)	◇	UPWT 1088/1119 (1A-44) CONFIGURATION	02/T4	.000
(3-8001)	▽	UPWT 1088/1119 (1A-44) CONFIGURATION	T4/S7	.000
(3-8018)	△	DATA NOT AVAILABLE		.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

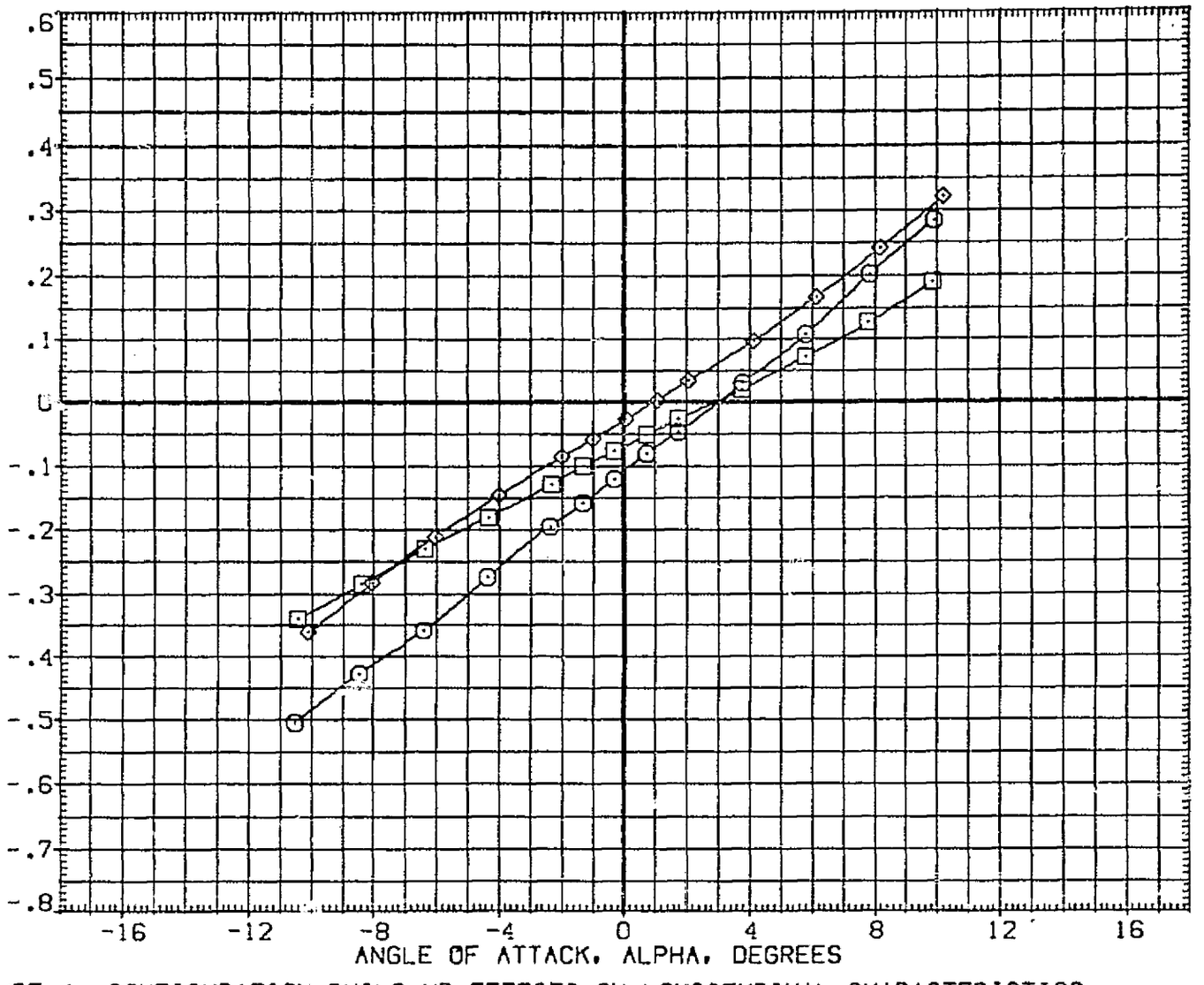


FIGURE 4 CONFIGURATION BUILD-UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

(E)MACH = 3.90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8003)	○	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
(B-8020)	◇	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4	.000
(B-8001)	◇	UPWT 1088/1119 (IA-44) CONFIGURATION	T4/S7	.000
(B-8018)	△	DATA NOT AVAILABLE		.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

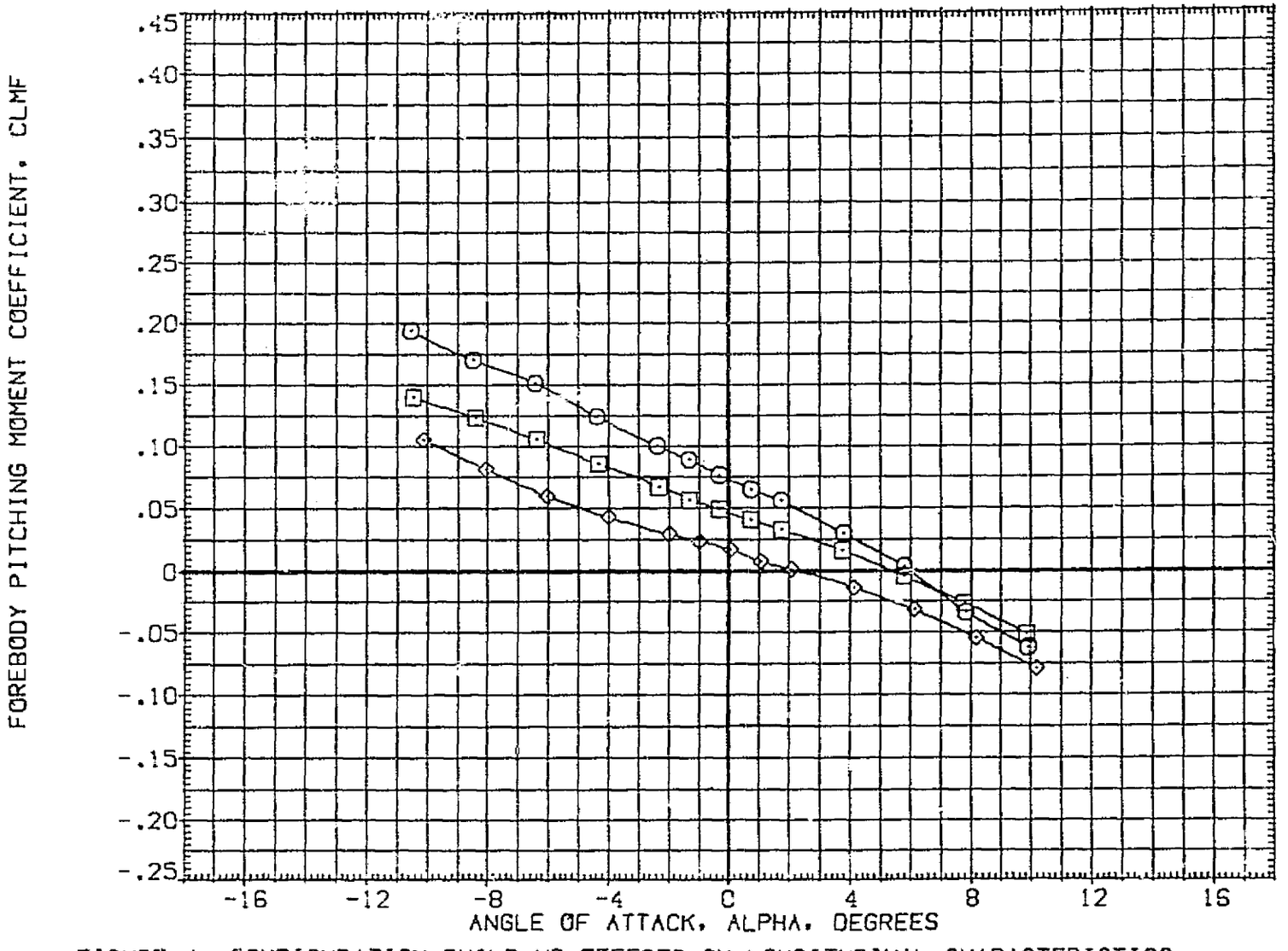


FIGURE 4 CONFIGURATION BUILD-UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

(E)MACH = 3.90

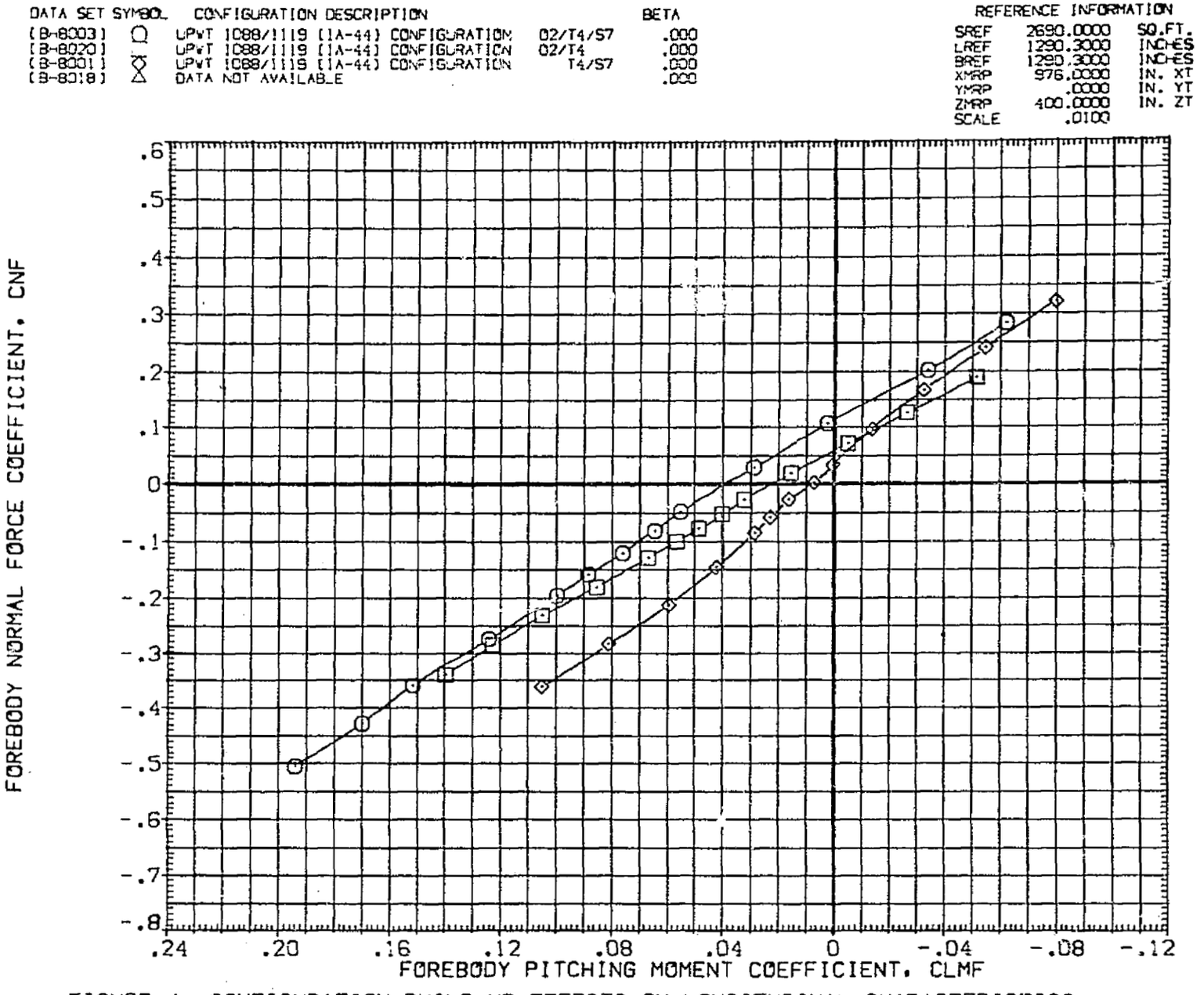


FIGURE 4 CONFIGURATION BUILD-UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

(E)MACH = 3.90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8003)	□	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
(B-8020)	○	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4	.000
(B-8001)	⊗	UPWT 1088/1119 (IA-44) CONFIGURATION	T4/S7	.000
(B-8018)	△	UPWT 1088/1119 (IA-44) CONFIGURATION	T4	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

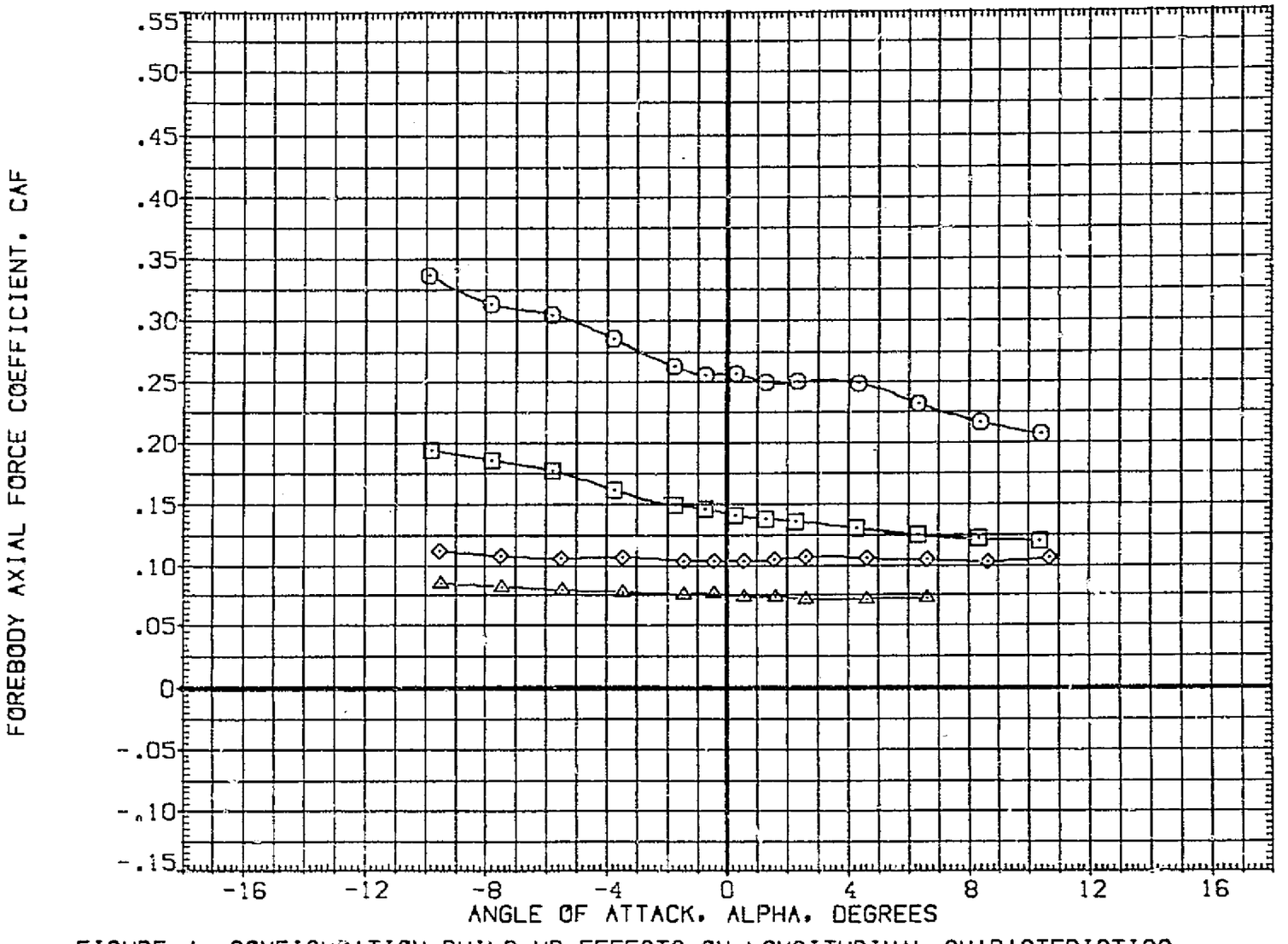


FIGURE 4 CONFIGURATION BUILD-UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

(F)MACH = 4.60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
[B-8003]	○	UPWT 1088/1119 [IA-44] CONFIGURATION	02/T4/S7	.000
[B-8020]	□	UPWT 1088/1119 [IA-44] CONFIGURATION	02/T4	.000
[B-8001]	◇	UPWT 1088/1119 [IA-44] CONFIGURATION	T4/S7	.000
[B-8018]	△	UPWT 1088/1119 [IA-44] CONFIGURATION	T4	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

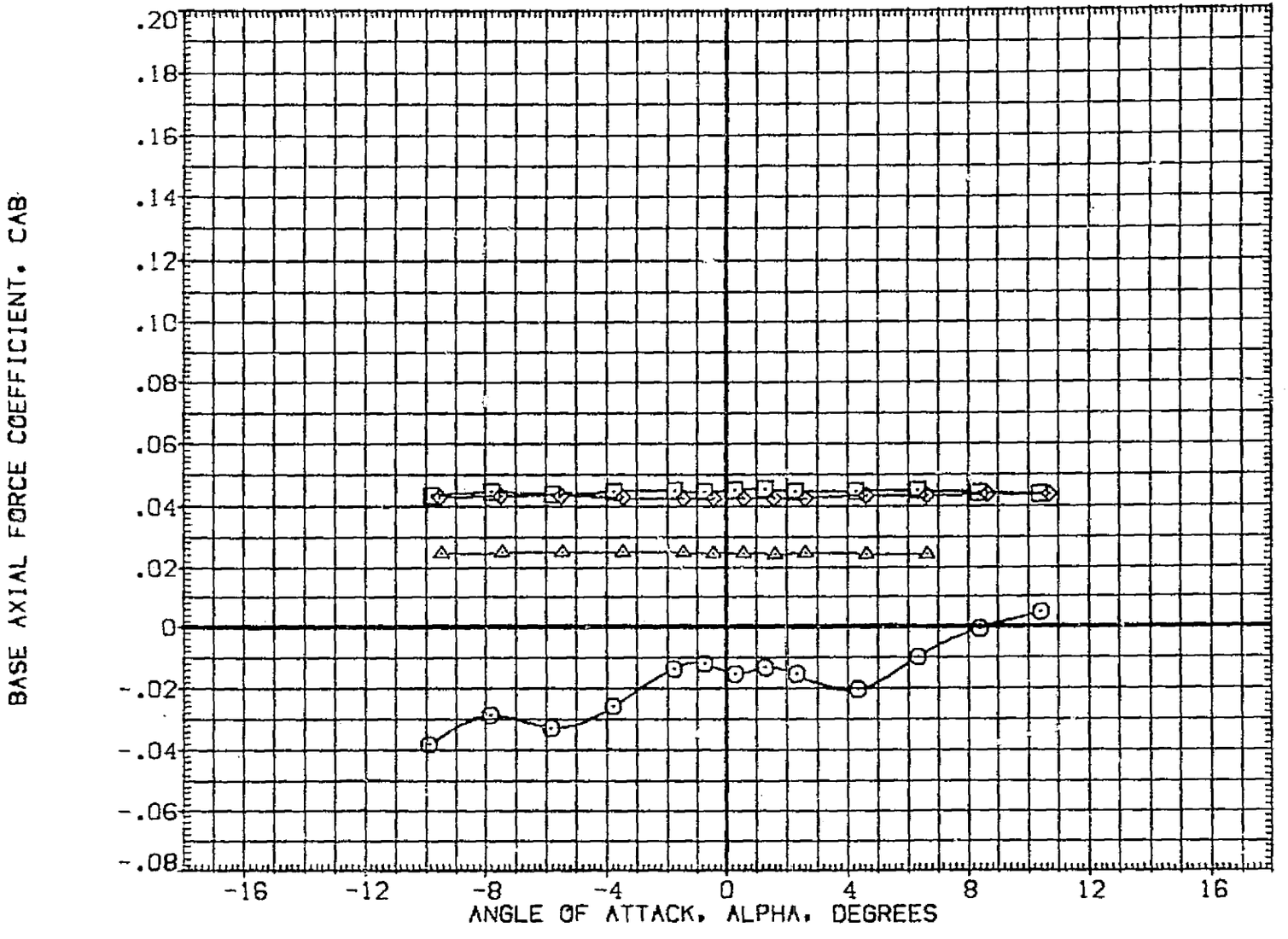


FIGURE 4 CONFIGURATION BUILD-UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

(F)MACH = 4.60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8003)	□	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
(B-8020)	⊠	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4	.000
(B-8001)	◇	UPWT 1088/1119 (IA-44) CONFIGURATION	T4/S7	.000
(B-8018)	△	UPWT 1088/1119 (IA-44) CONFIGURATION	T4	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

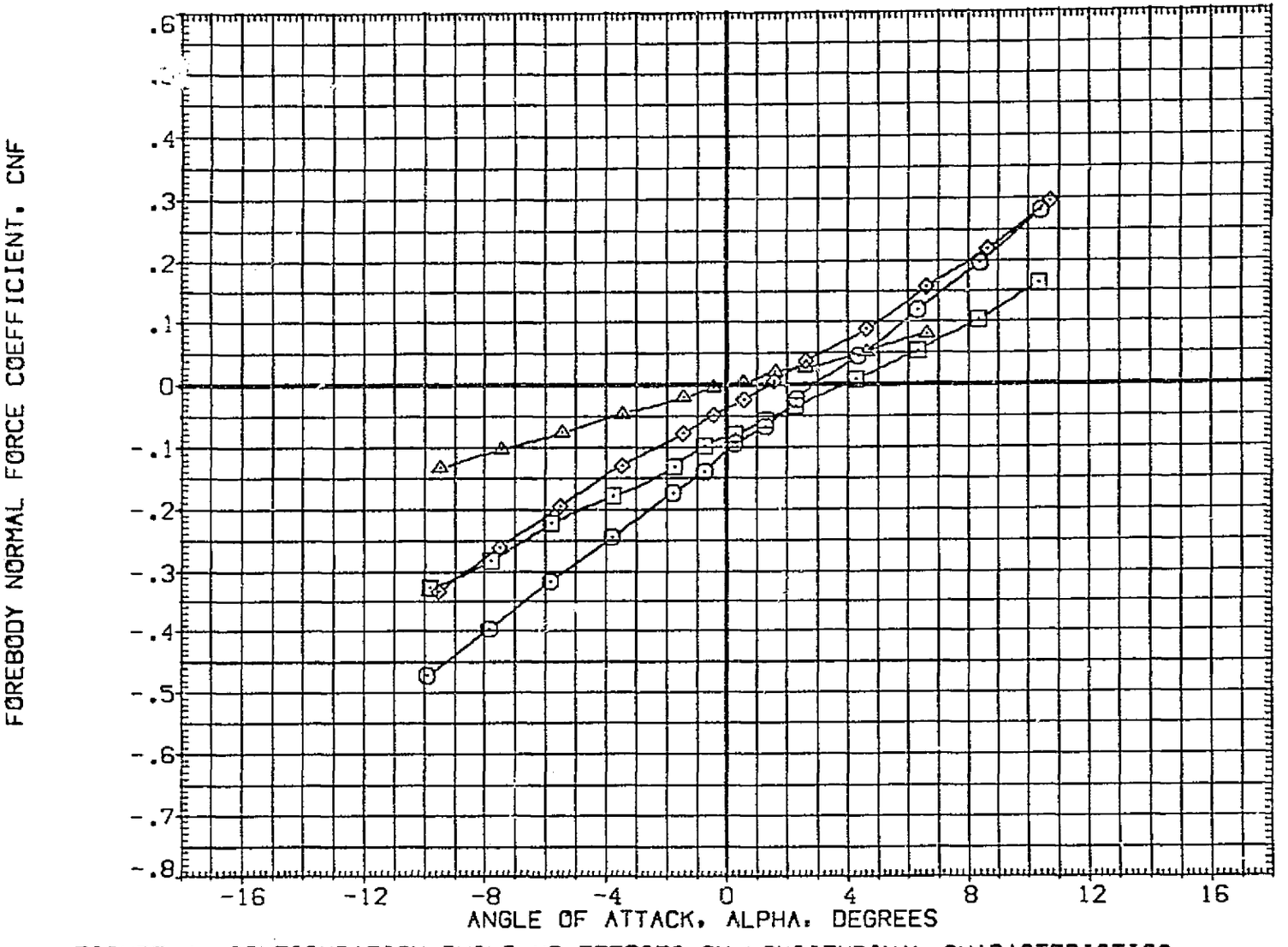


FIGURE 4 CONFIGURATION BUILD-UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

(F)MACH = 4.60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8003)	□	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
(B-8020)	○	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4	.000
(B-8001)	◇	UPWT 1088/1119 (IA-44) CONFIGURATION	T4/S7	.000
(B-8018)	△	UPWT 1088/1119 (IA-44) CONFIGURATION	T4	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

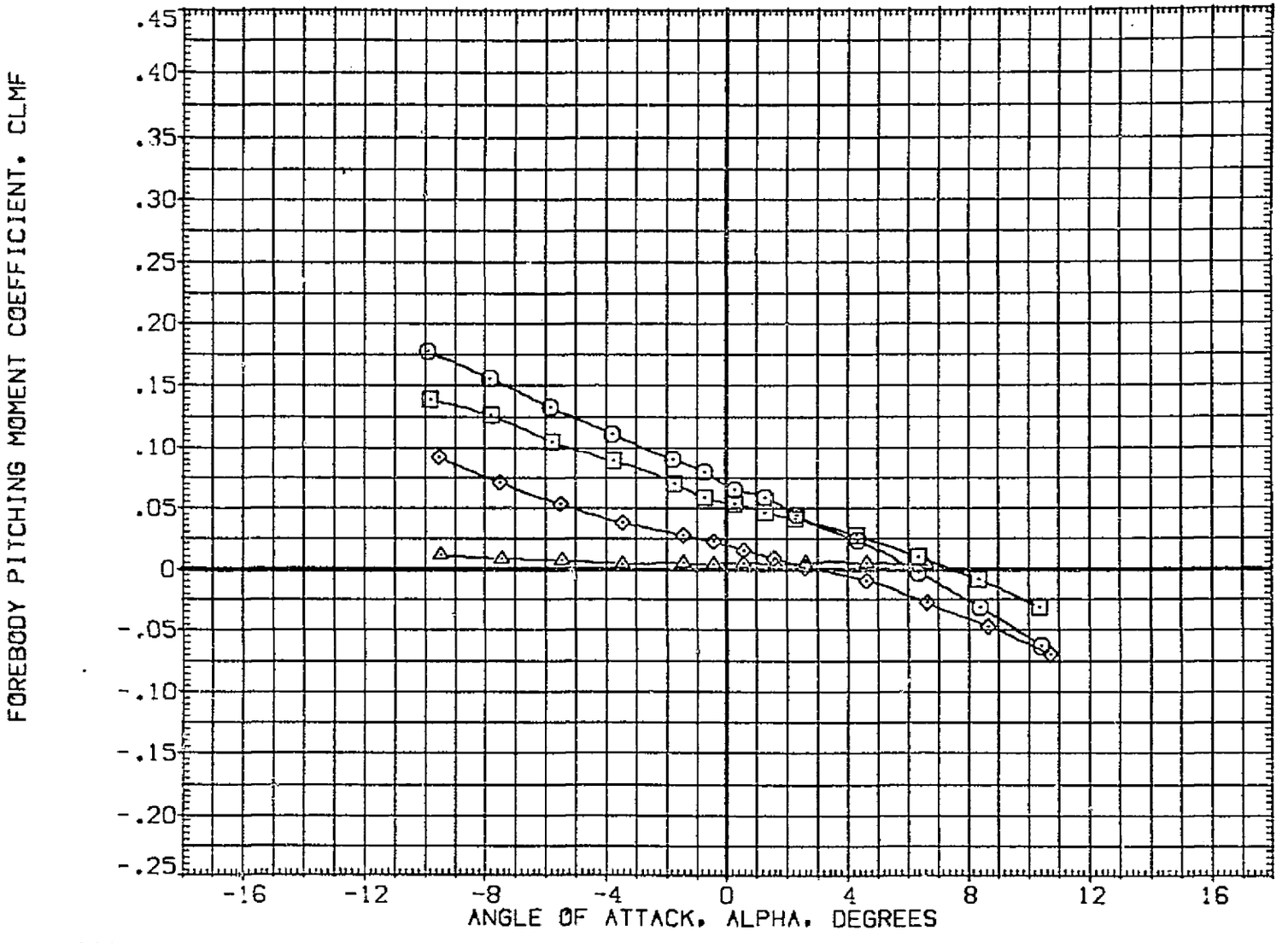


FIGURE 4 CONFIGURATION BUILD-UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

(F)MACH = 4.60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
[B-8003]	○	UPWT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	.000
[B-8020]		UPWT 1088/1119 (1A-44) CONFIGURATION	02/T4	.000
[B-8021]	⊠	UPWT 1088/1119 (1A-44) CONFIGURATION	T4/S7	.000
[B-8018]	△	UPWT 1089/1119 (1A-44) CONFIGURATION	T4	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

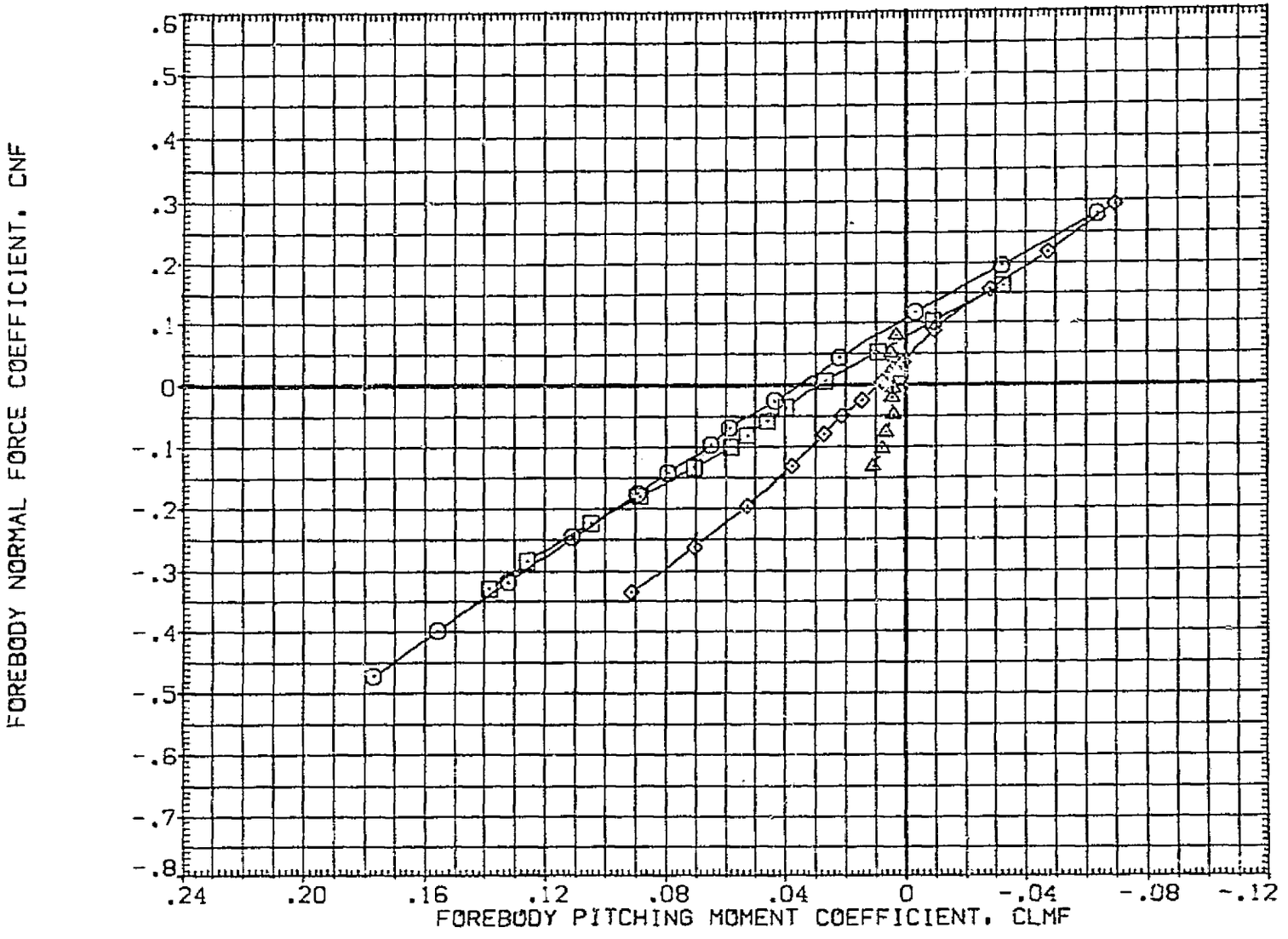


FIGURE 4 CONFIGURATION BUILD-UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

(F)MACH = 4.60

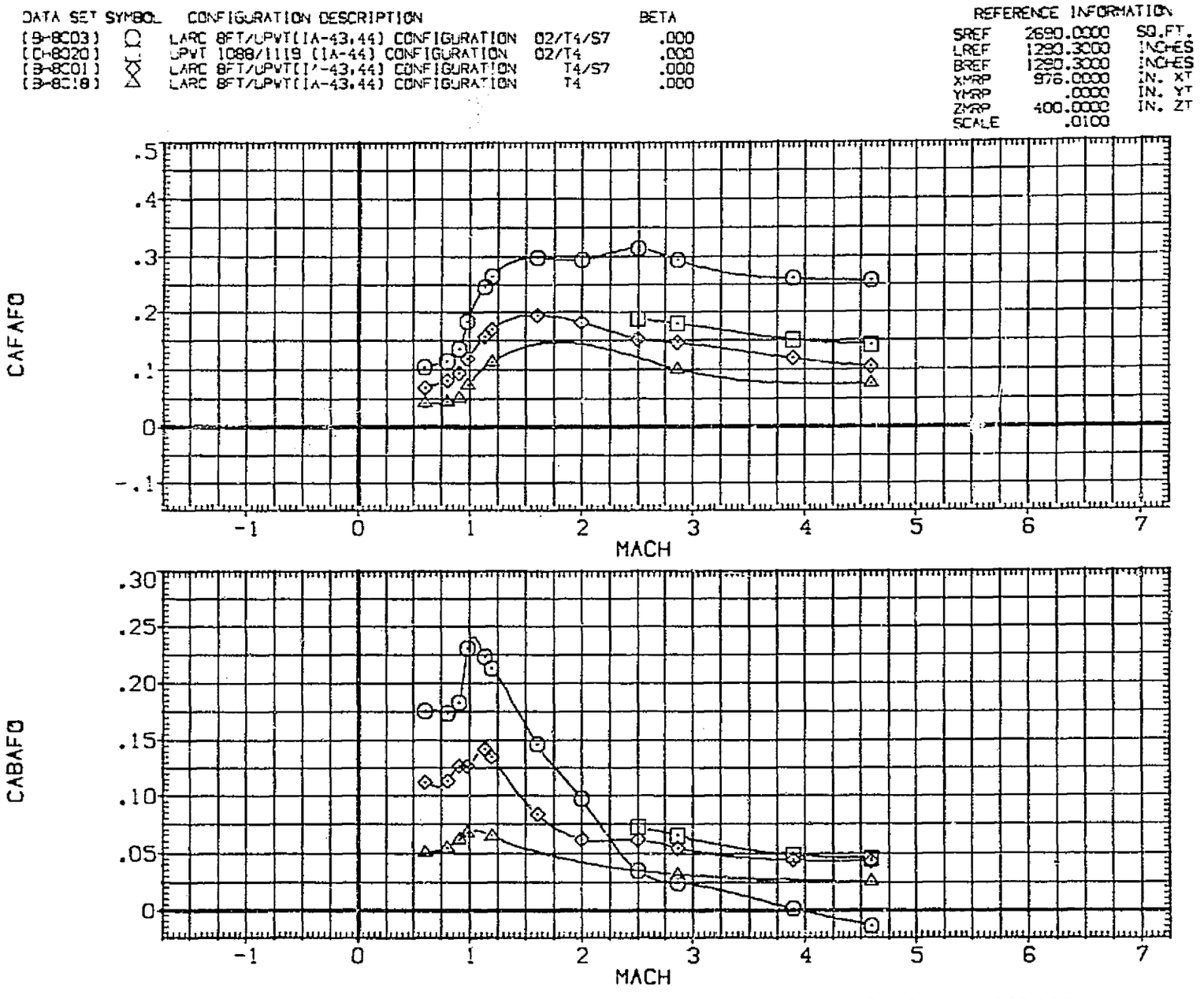


FIGURE 4 CONFIGURATION BUILD-UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

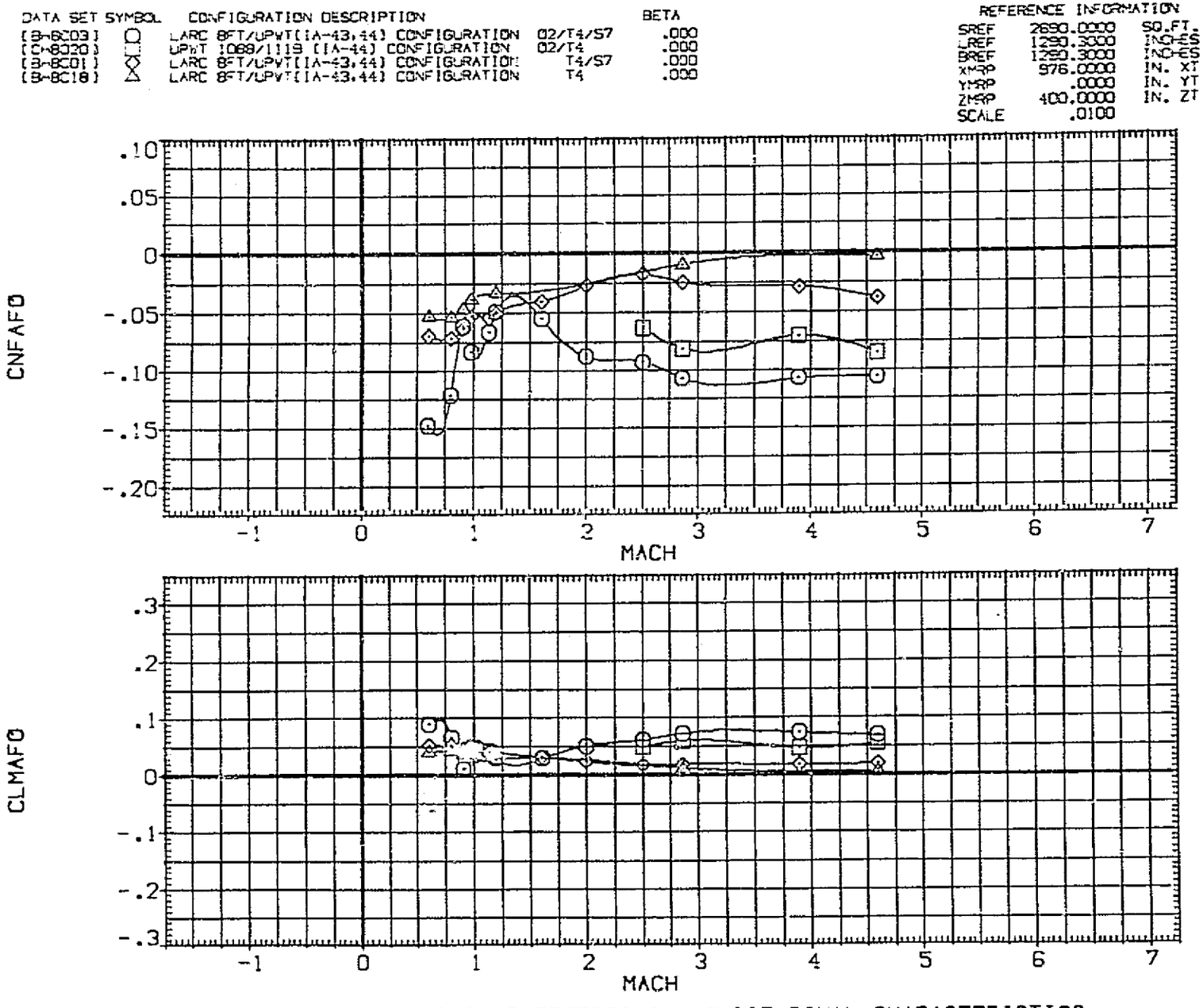


FIGURE 4 CONFIGURATION BUILD-UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

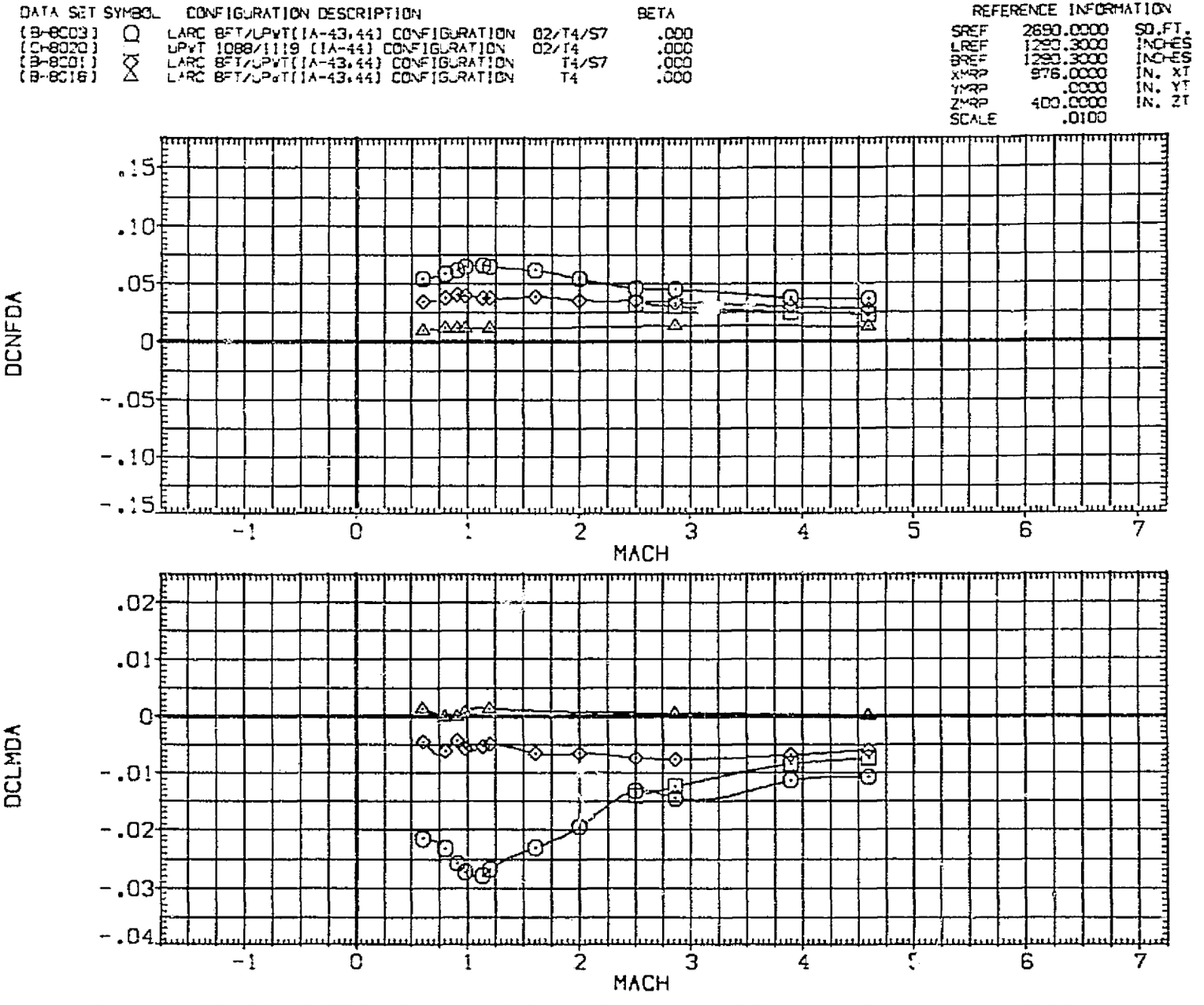


FIGURE 4 CONFIGURATION BUILD-UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

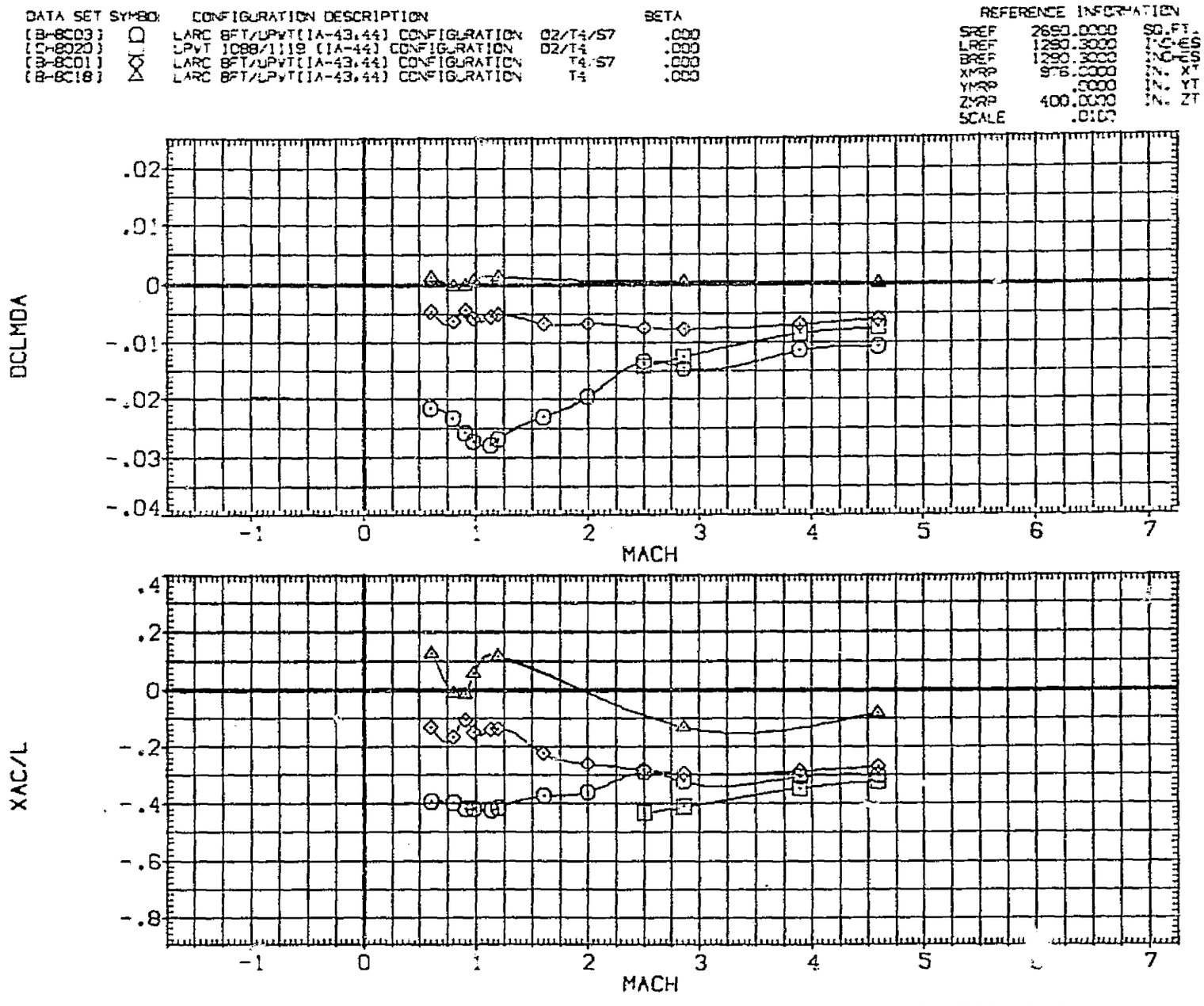


FIGURE 4 CONFIGURATION BUILD-UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(B-8004)	○	CPVT 1088/1119 (IA-44) CONFIGURATION	D2/T4/S7	.000
(B-8021)		DATA NOT AVAILABLE		.000
(B-8002)	◇	CPVT 1088/1119 (IA-44) CONFIGURATION	T4/S7	.000
(B-8019)	△	DATA NOT AVAILABLE		.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

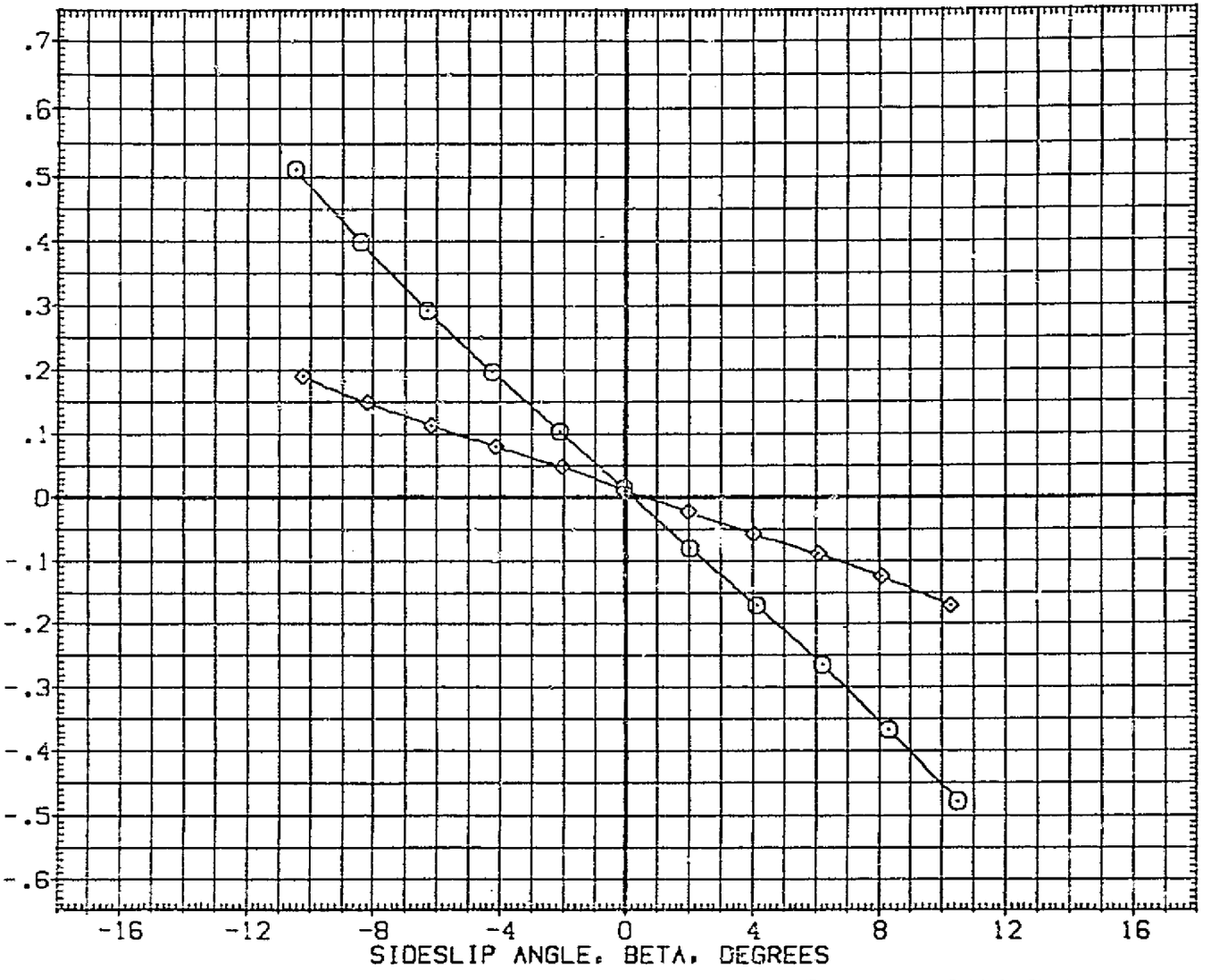


FIGURE 5 CONFIGURATION BUILD-UP EFFECTS ON LAT.-DIRECT. CHARACTERISTICS

(A)MACH = 1.60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(B-8004)	○	LPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
(B-8021)	□	DATA NOT AVAILABLE		.000
(B-8002)	◇	LPWT 1088/1119 (IA-44) CONFIGURATION	T4/S7	.000
(B-8019)	△	DATA NOT AVAILABLE		.000

REFERENCE INFORMATION

SREF	2680.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

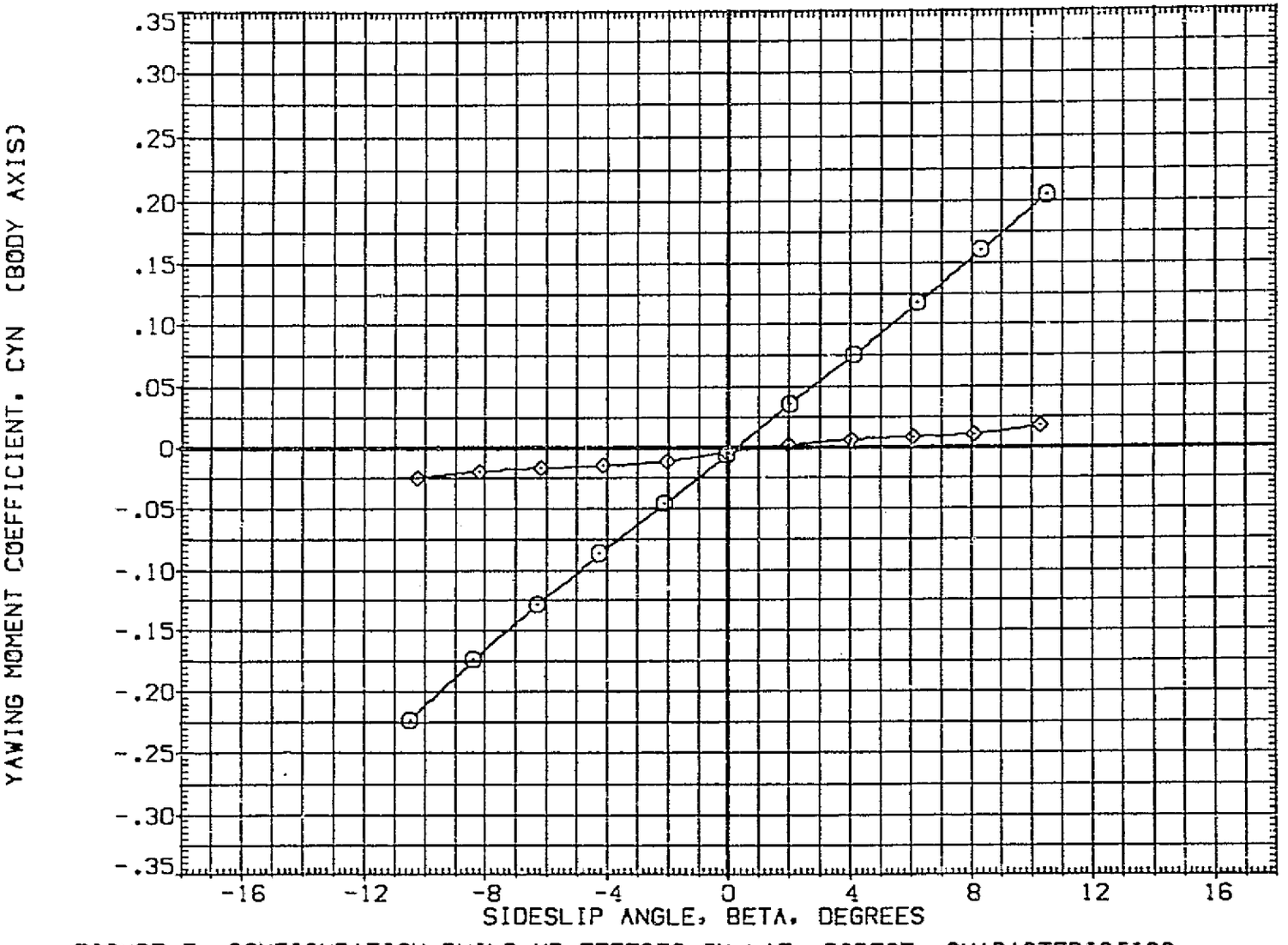


FIGURE 5 CONFIGURATION BUILD-UP EFFECTS ON LAT.-DIRECT. CHARACTERISTICS

(A)MACH = 1.60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(B-8004)	□	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
(B-8021)		DATA NOT AVAILABLE		.000
(B-8002)	◇	UPWT 1088/1119 (IA-44) CONFIGURATION	T4/S7	.000
(B-8019)		DATA NOT AVAILABLE		.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

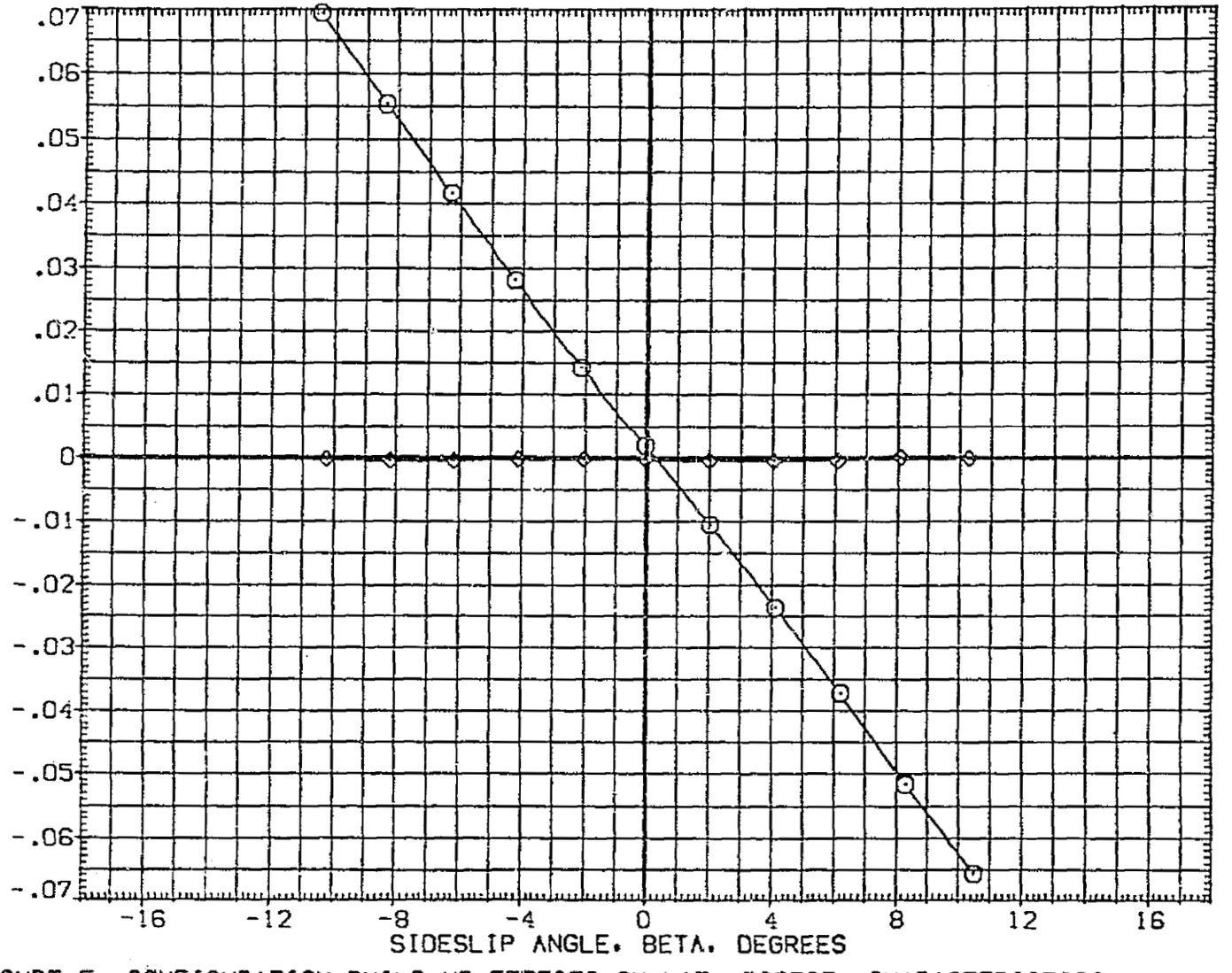


FIGURE 5 CONFIGURATION BUILD-UP EFFECTS ON LAT.-DIRECT. CHARACTERISTICS

(A)MACH = 1.60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(B-8004)	○	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
(B-8021)		DATA NOT AVAILABLE		.000
(B-8002)	◇	UPWT 1088/1119 (IA-44) CONFIGURATION	T4/S7	.000
(B-8019)	△	DATA NOT AVAILABLE		.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	975.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

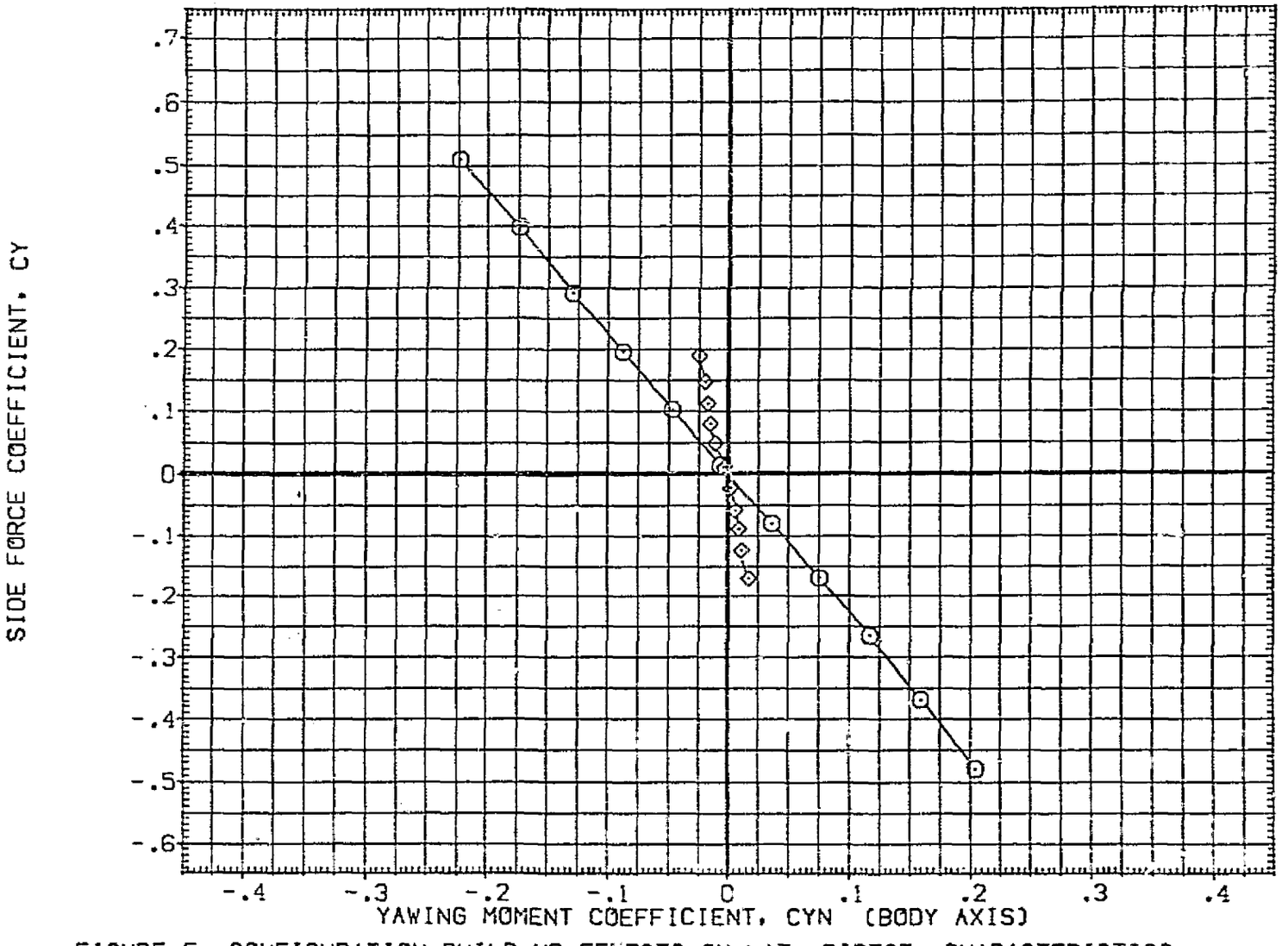


FIGURE 5 CONFIGURATION BUILD-UP EFFECTS ON LAT.-DIRECT. CHARACTERISTICS

(A) MACH = 1.60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(B-8004)	○	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
(B-8021)		DATA NOT AVAILABLE		.000
(B-8002)	⊠	UPWT 1088/1119 (IA-44) CONFIGURATION	T4/S7	.000
(B-8019)		DATA NOT AVAILABLE		.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

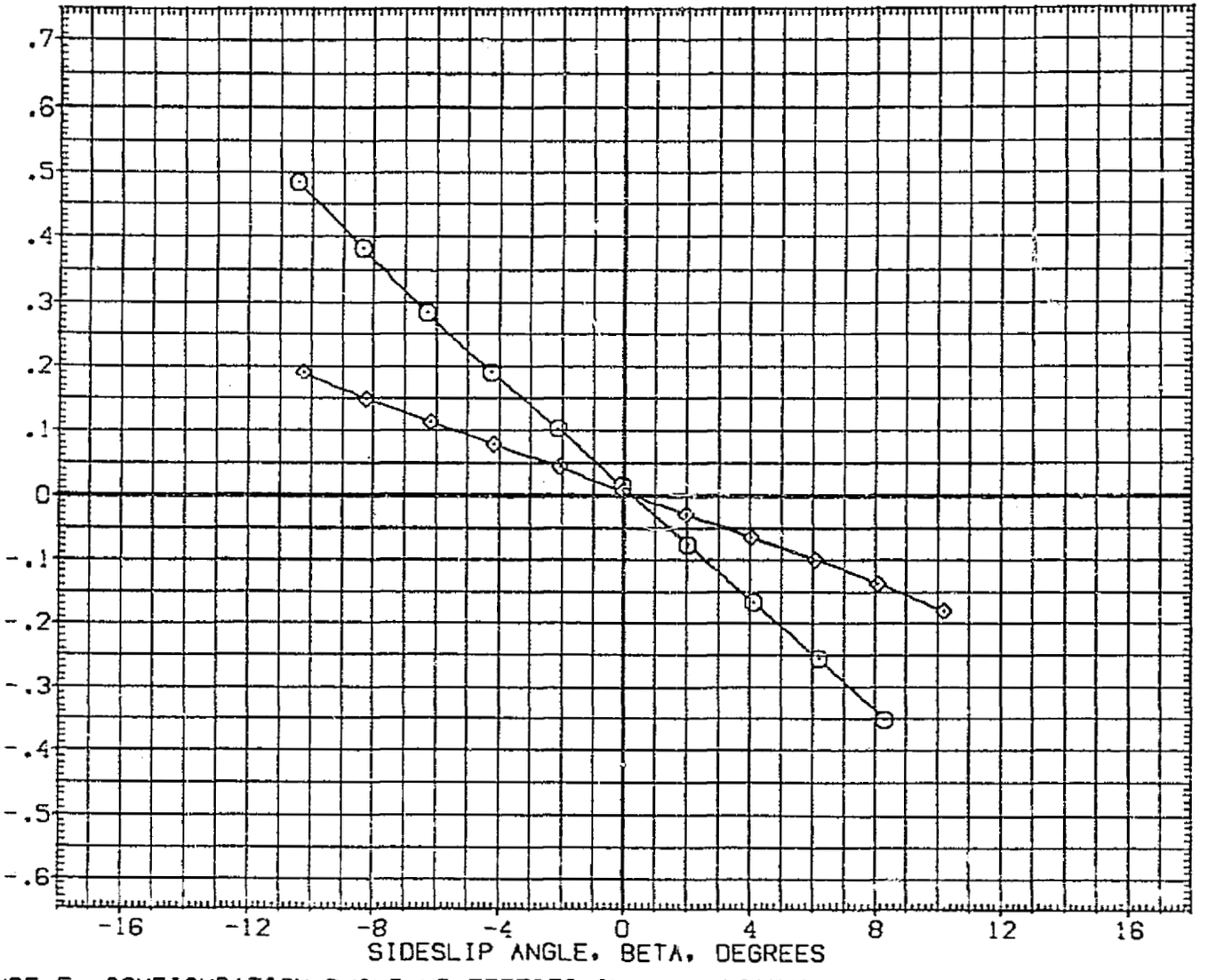


FIGURE 5 CONFIGURATION BUILD-UP EFFECTS ON LAT.-DIRECT. CHARACTERISTICS

(B)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(B-8004)	○	UPWT 1089/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
(B-8021)	⋯	DATA NOT AVAILABLE		.000
(B-8002)	⋈	UPWT 1089/1119 (IA-44) CONFIGURATION	T4/S7	.000
(B-8019)	△	DATA NOT AVAILABLE		.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1260.3000	INCHES
BREF	1260.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

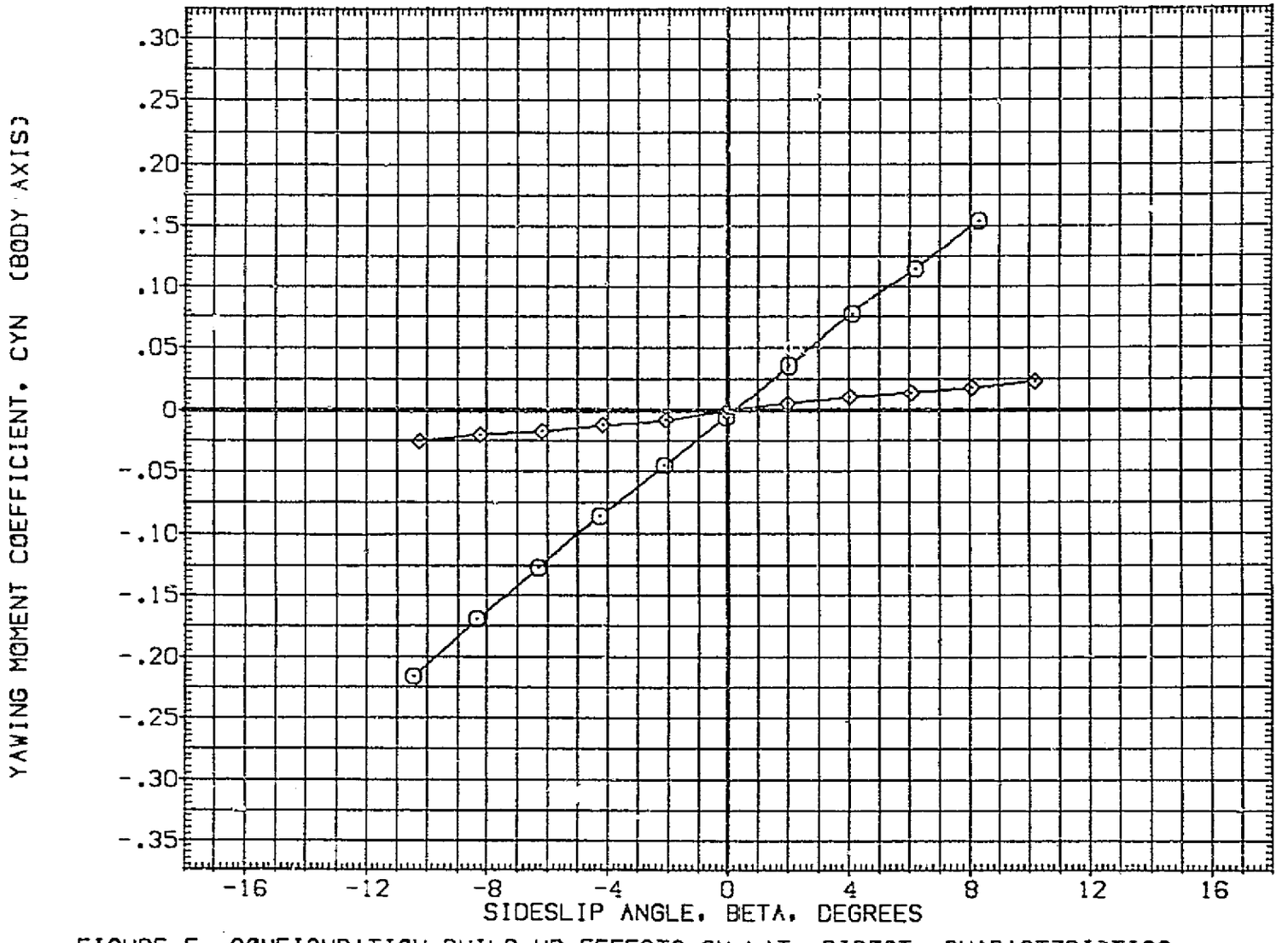


FIGURE 5 CONFIGURATION BUILD-UP EFFECTS ON LAT.-DIRECT. CHARACTERISTICS

(B)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(B-8004)	○	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
(B-8021)		DATA NOT AVAILABLE		.000
(B-8002)	⊠	UPWT 1088/1119 (IA-44) CONFIGURATION	T4/S7	.000
(B-8019)		DATA NOT AVAILABLE		.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

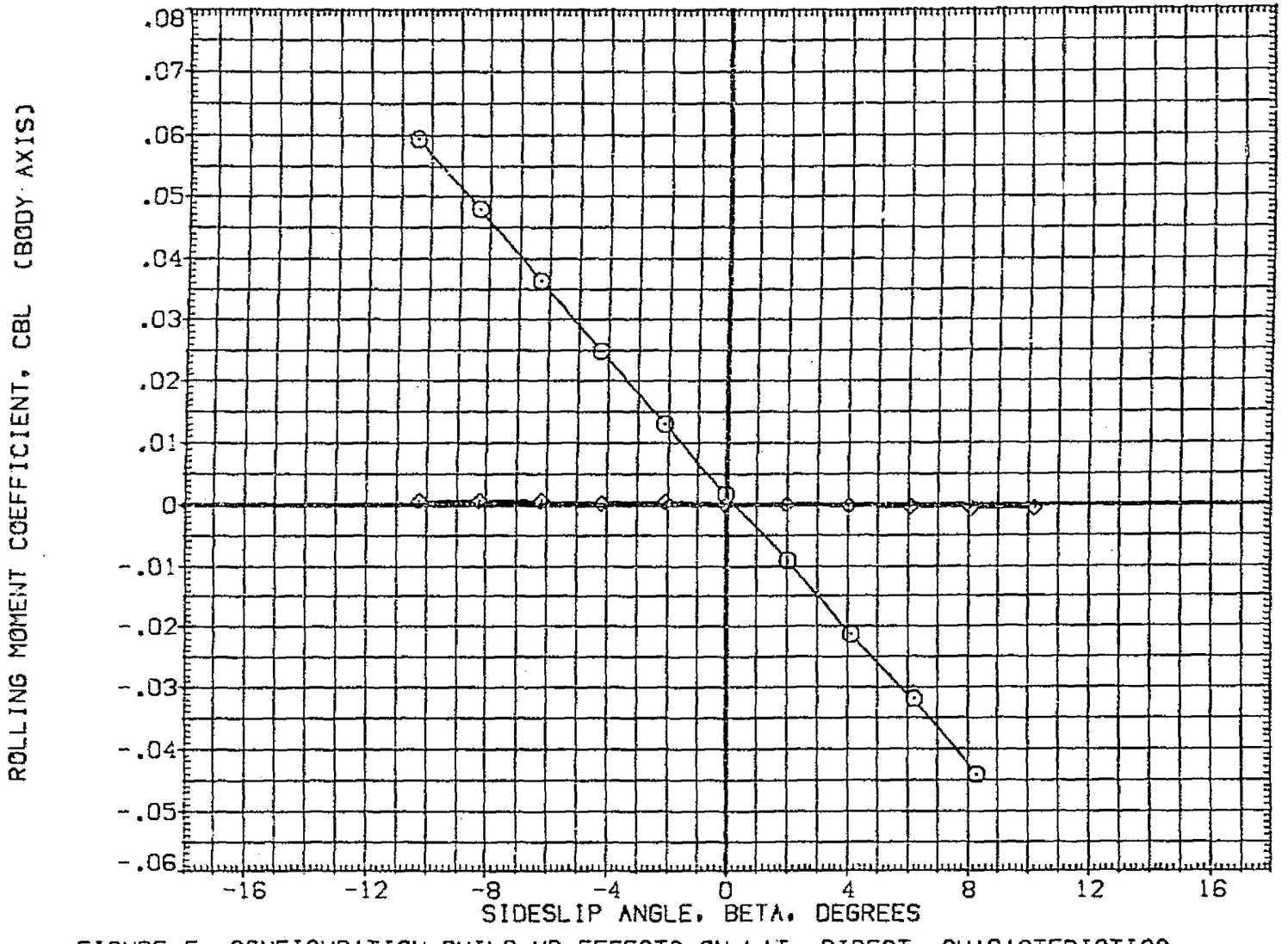


FIGURE 5 CONFIGURATION BUILD-UP EFFECTS ON LAT.-DIRECT. CHARACTERISTICS

(B)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(B-8004)	Ω	LPWT 1088/1119 (IA-44) CONFIGURATION	B2/T4/S7	.000
(B-8021)		DATA NOT AVAILABLE		.000
(B-8002)	⊗	LPWT 1088/1119 (IA-44) CONFIGURATION	T4/S7	.000
(B-8019)	△	DATA NOT AVAILABLE		.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

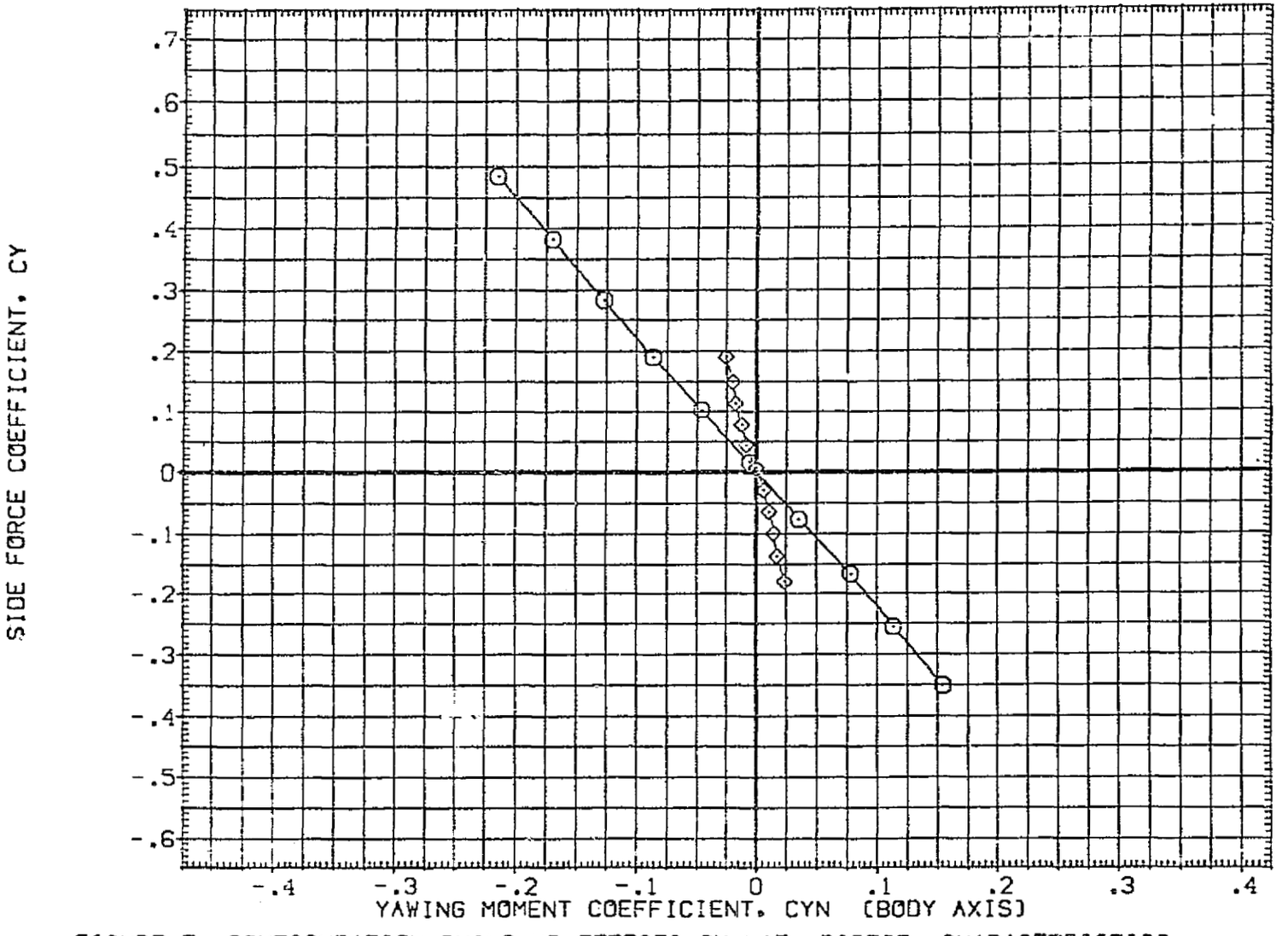


FIGURE 5 CONFIGURATION BUILD-UP EFFECTS ON LAT.-DIRECT. CHARACTERISTICS

(B)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(B-8004)	○	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
(B-8021)		UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4	.000
(B-8002)	⋈	UPWT 1088/1119 (IA-44) CONFIGURATION	T4/S7	.000
(B-8019)	△	UPWT 1088/1119 (IA-44) CONFIGURATION	T4	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1280.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

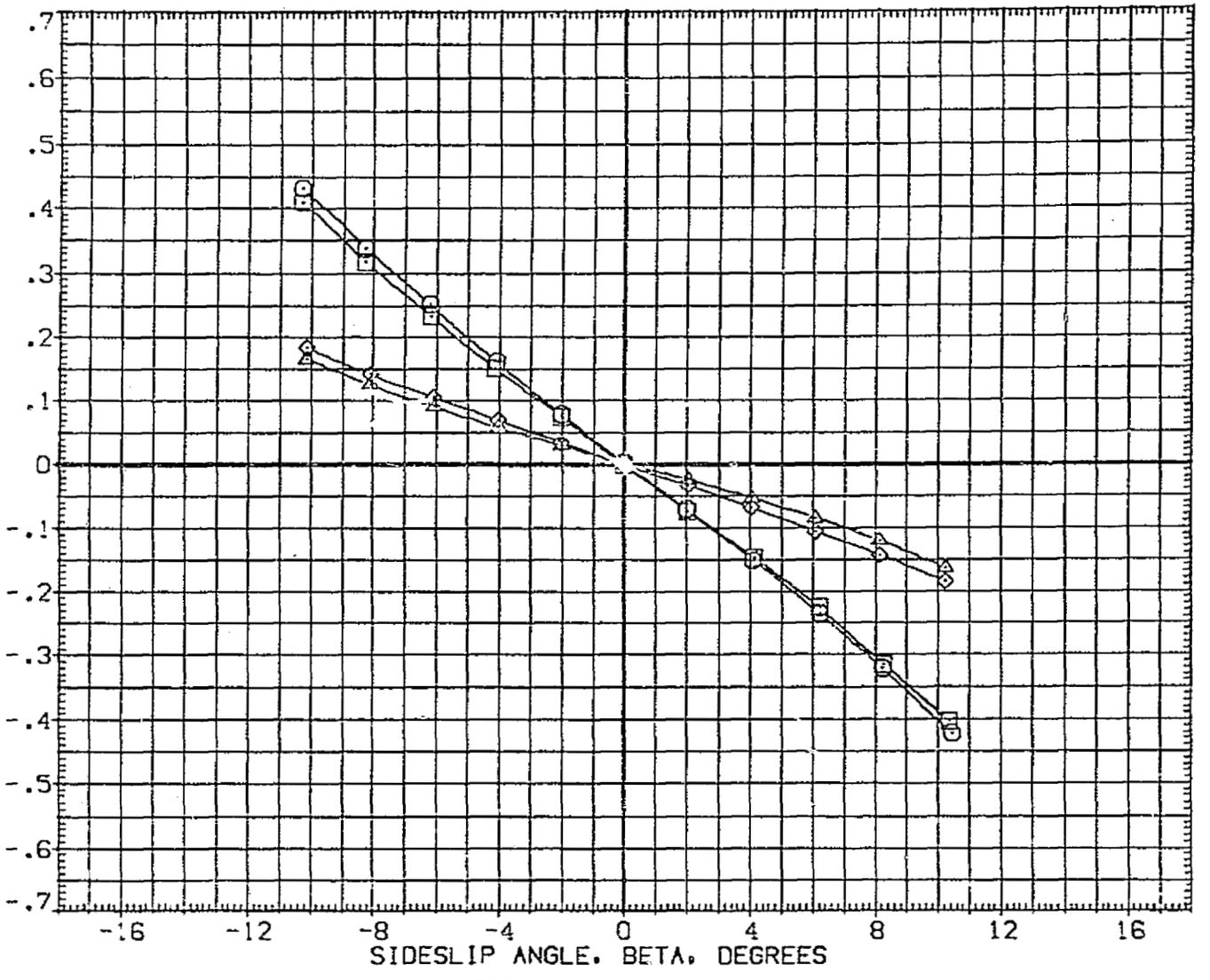


FIGURE 5 CONFIGURATION BUILD-UP EFFECTS ON LAT.-DIRECT. CHARACTERISTICS

(C)MACH = 2.86

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(B-8004)	○	UPWT 1088/1119 (IA-44) CONFIGURATION	D2/T4/S7	.000
(B-8021)	□	UPWT 1088/1119 (IA-44) CONFIGURATION	D2/T4	.000
(B-8002)	◇	UPWT 1088/1119 (IA-44) CONFIGURATION	T4/S7	.000
(B-8019)	△	UPWT 1089/1119 (IA-44) CONFIGURATION	T4	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

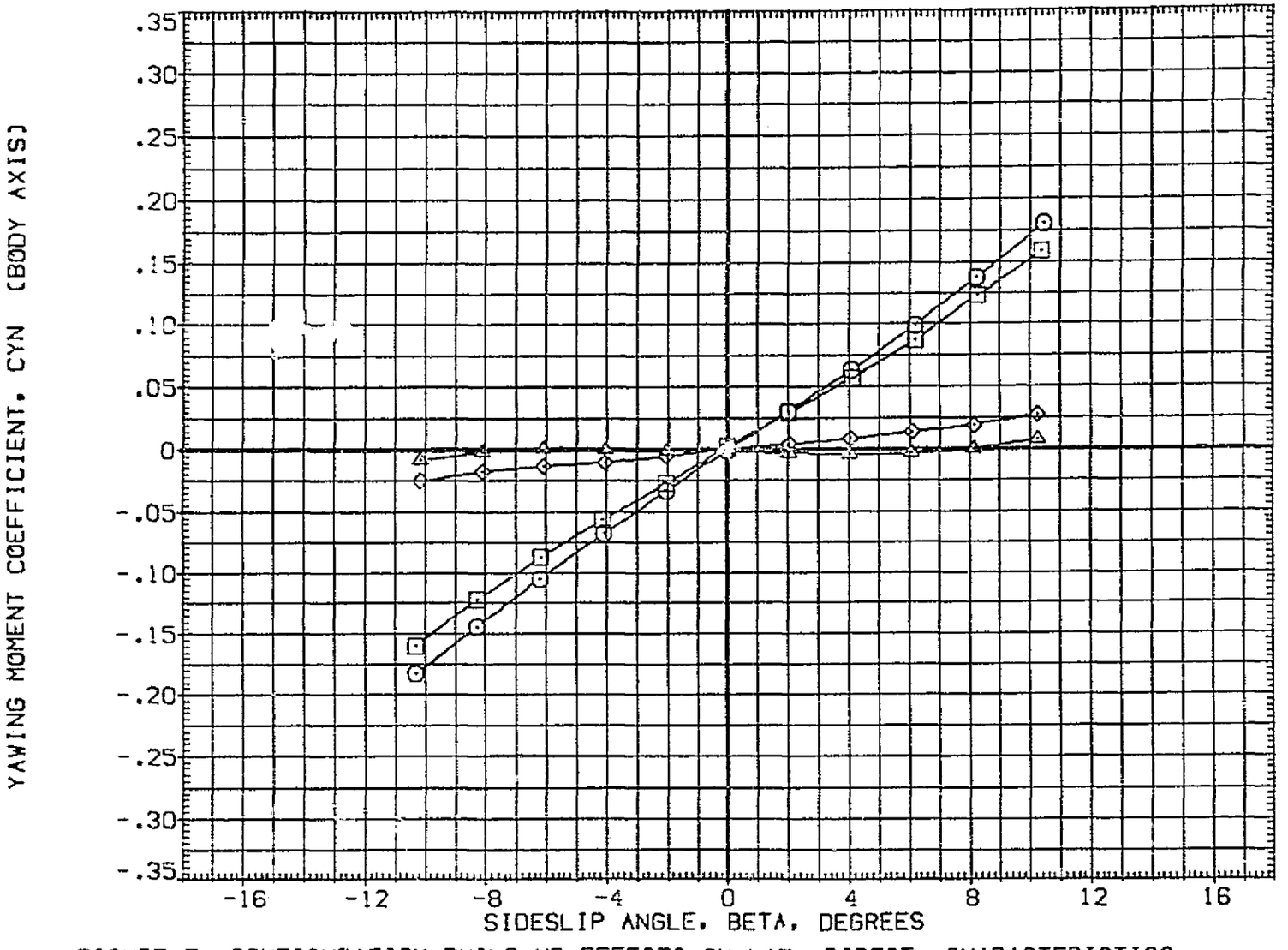


FIGURE 5 CONFIGURATION BUILD-UP EFFECTS ON LAT.-DIRECT. CHARACTERISTICS

(C)MACH = 2.86

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
[B-8004]	○	UPWT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	.000
[B-8021]	□	UPWT 1088/1119 (1A-44) CONFIGURATION	02/T4	.000
[B-8002]	◇	UPWT 1088/1119 (1A-44) CONFIGURATION	T4/S7	.000
[B-8019]	△	UPWT 1088/1119 (1A-44) CONFIGURATION	T4	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

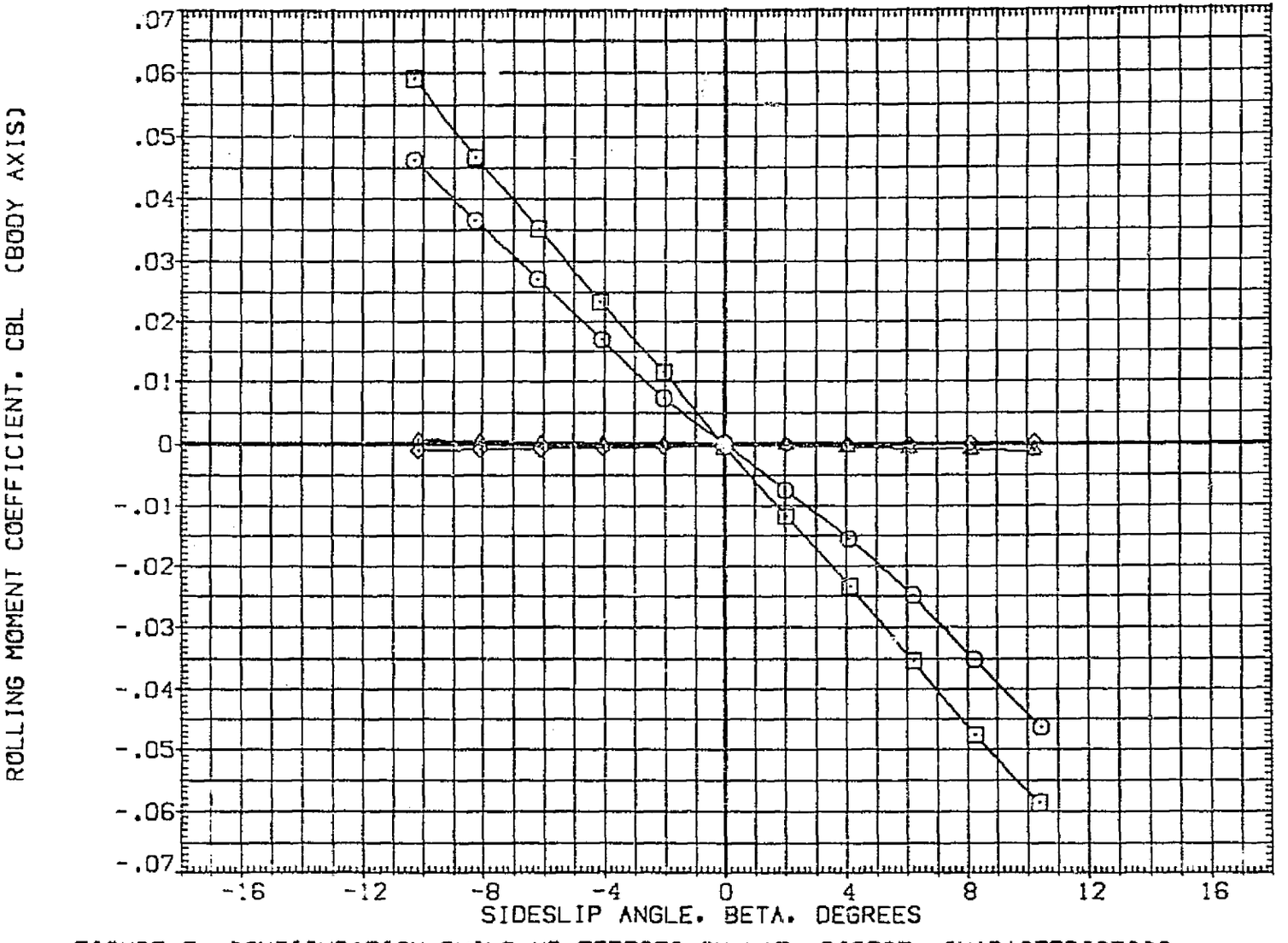


FIGURE 5 CONFIGURATION BUILD-UP EFFECTS ON LAT.-DIRECT. CHARACTERISTICS

(C)MAC = 2.86

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(B-8004)	○	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
(B-8021)		UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4	.000
(B-8002)	⊠	UPWT 1088/1119 (IA-44) CONFIGURATION	T4/S7	.000
(B-8019)	△	UPWT 1088/1119 (IA-44) CONFIGURATION	T4	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

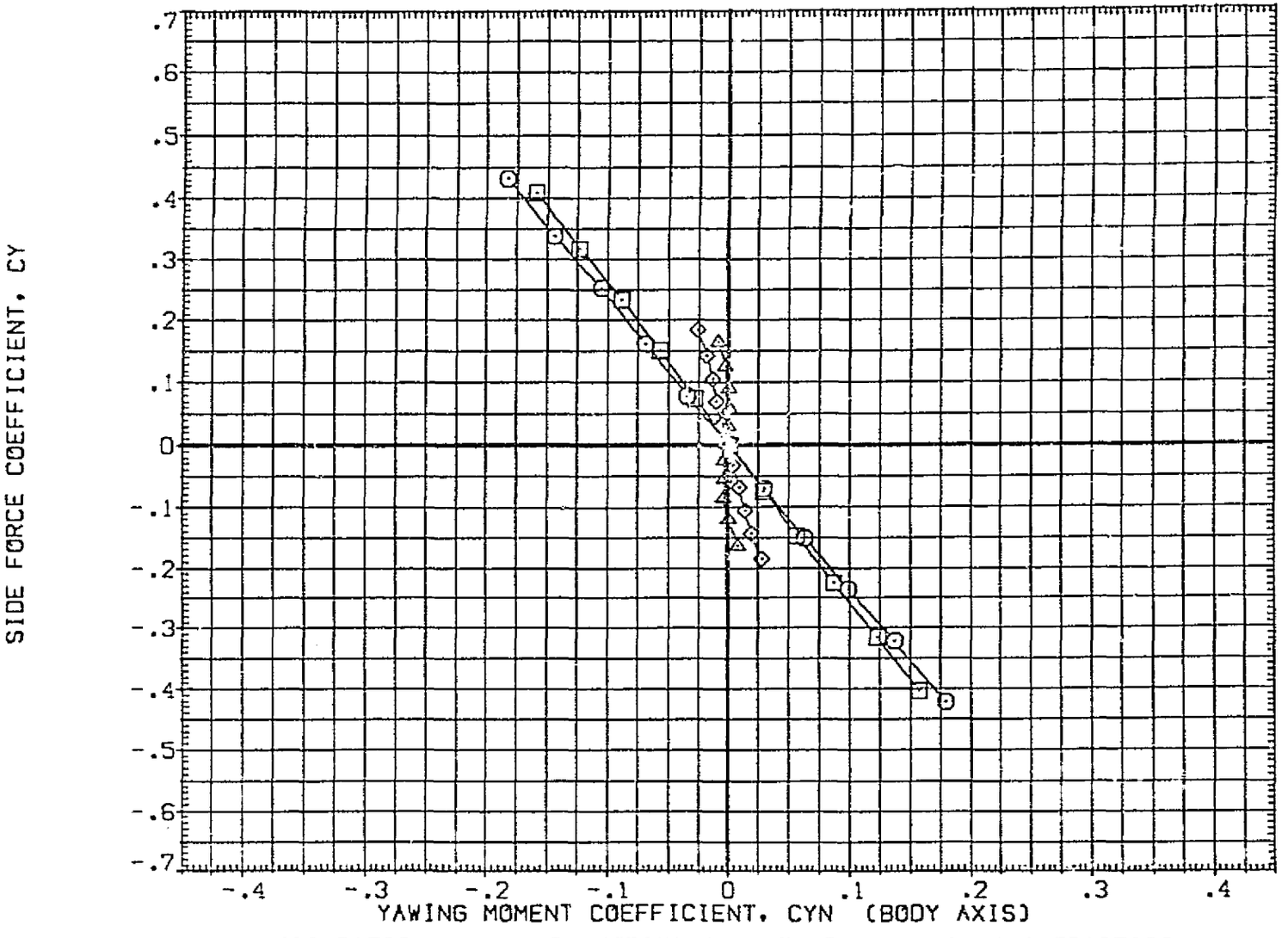


FIGURE 5 CONFIGURATION BUILD-UP EFFECTS ON LAT.-DIRECT. CHARACTERISTICS

(C)MACH = 2.86

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(B-8004)	□	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
(B-8021)	◇	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4	.000
(B-8002)	⊠	UPWT 1088/1119 (IA-44) CONFIGURATION	T4/S7	.000
(B-8019)	△	DATA NOT AVAILABLE		.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

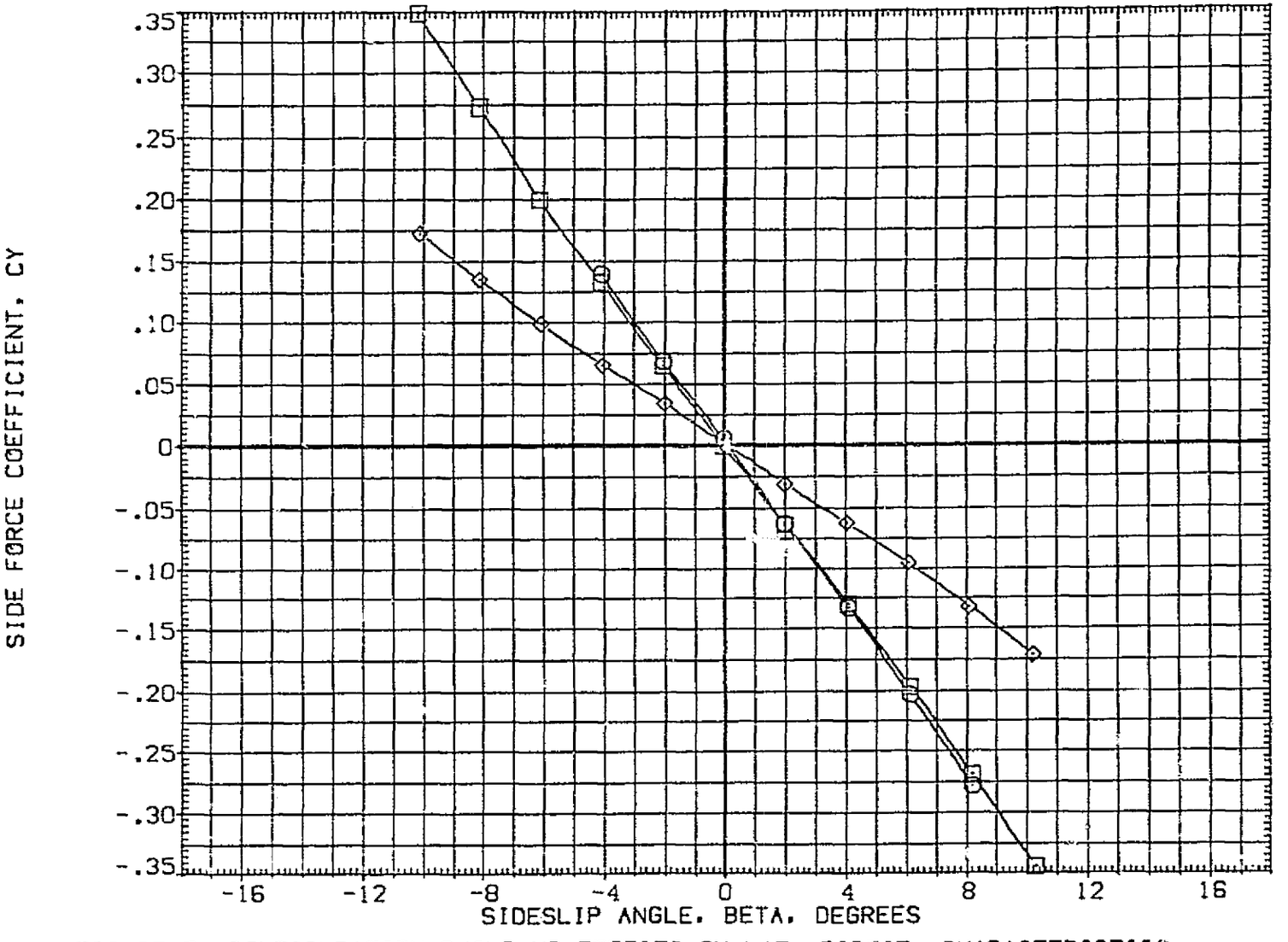


FIGURE 5 CONFIGURATION BUILD-UP EFFECTS ON LAT.-DIRECT. CHARACTERISTICS

(D)MACH = 3.90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
[B-8004]	□	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
[B-8021]	◇	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4	.000
[B-8002]	△	UPWT 1088/1119 (IA-44) CONFIGURATION	T4/S7	.000
[B-8019]		DATA NOT AVAILABLE		.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

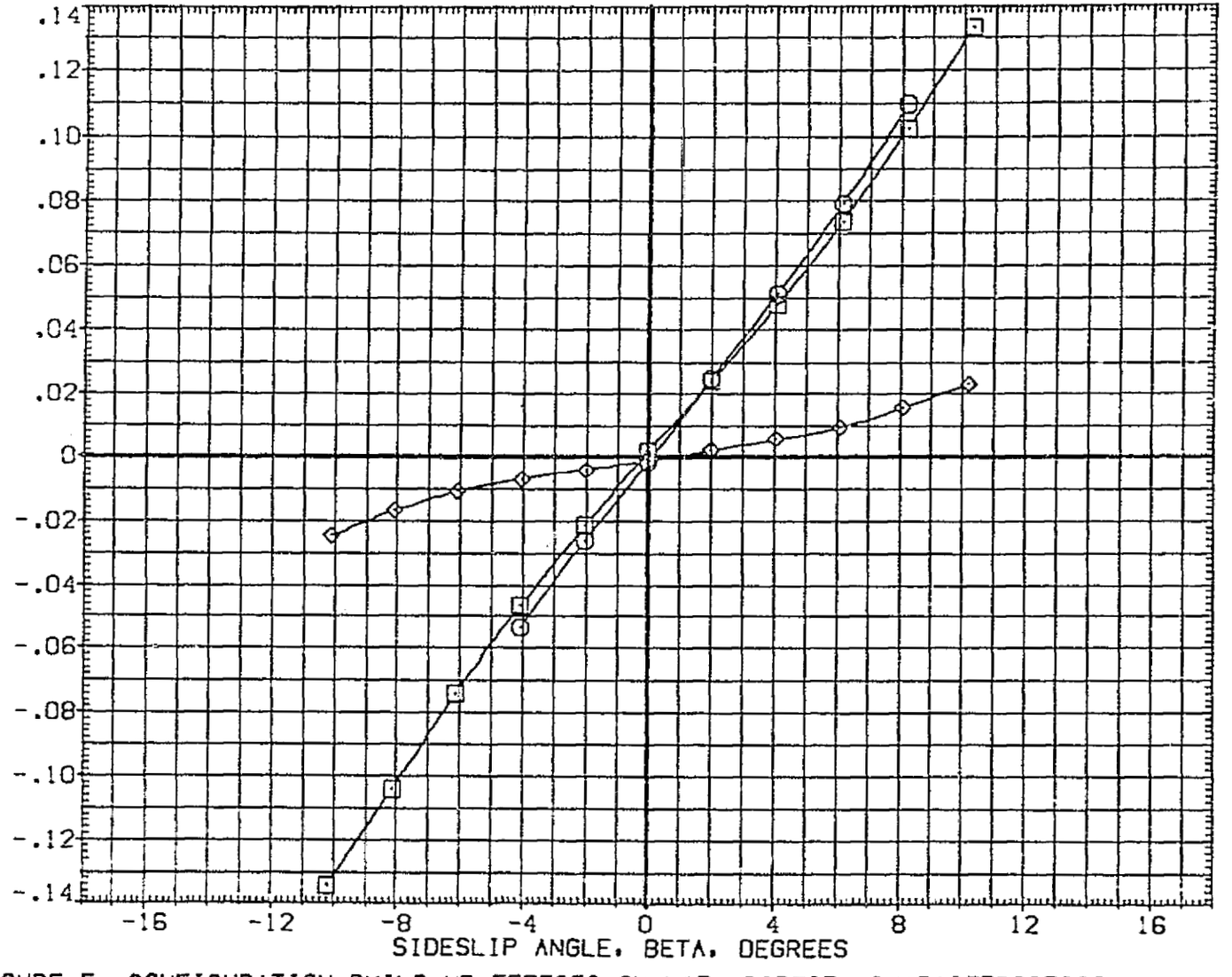


FIGURE 5 CONFIGURATION BUILD-UP EFFECTS ON LAT.-DIRECT. CHARACTERISTICS

(D)MACH = 3.90

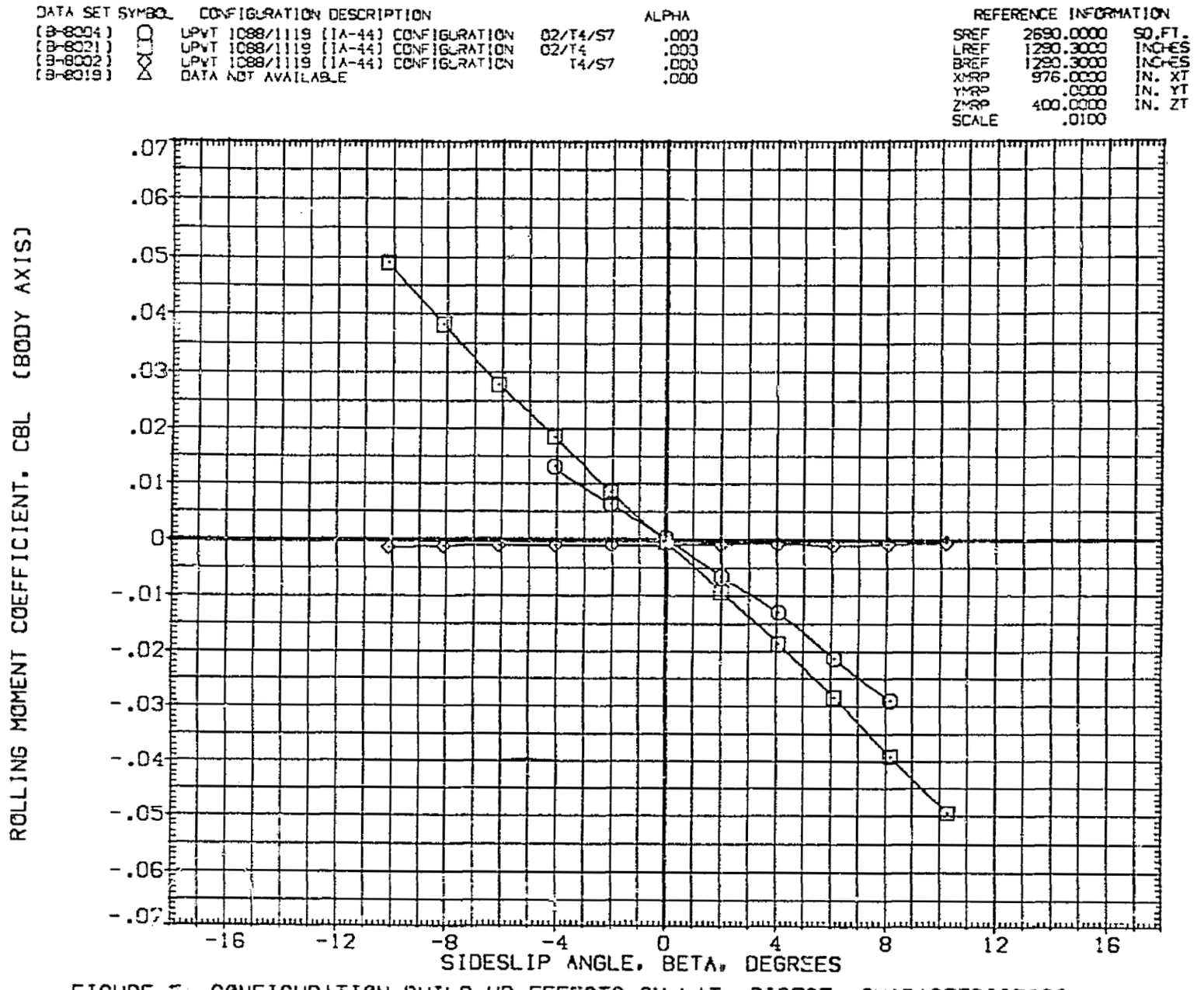


FIGURE 5 CONFIGURATION BUILD-UP EFFECTS ON LAT.-DIRECT. CHARACTERISTICS

(D)MACH = 3.90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(B-8004)	○	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
(B-8021)	□	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4	.000
(B-8002)	◇	UPWT 1088/1119 (IA-44) CONFIGURATION	T4/S7	.000
(B-8019)	△	DATA NOT AVAILABLE		.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

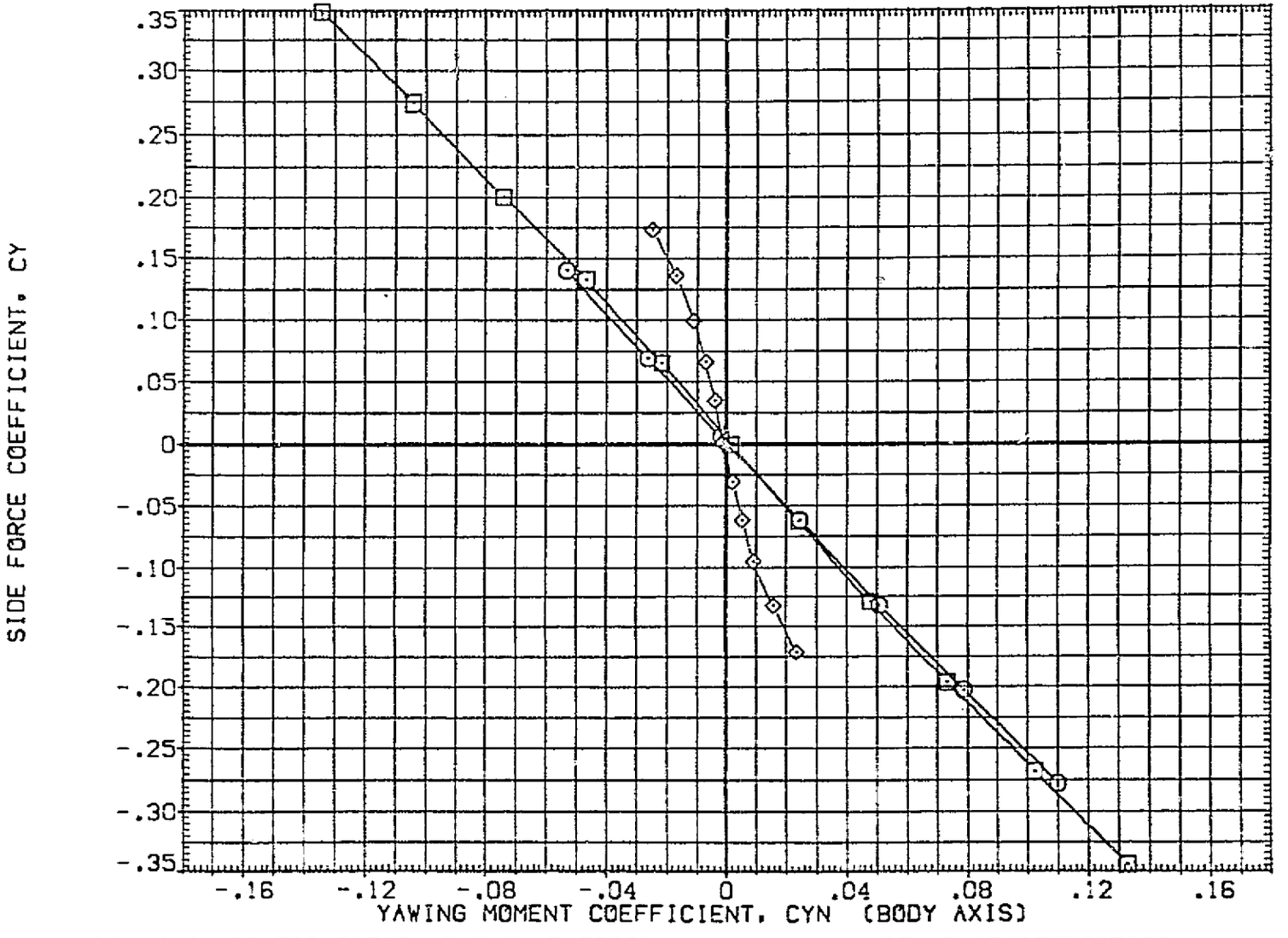


FIGURE 5 CONFIGURATION BUILD-UP EFFECTS ON LAT.-DIRECT. CHARACTERISTICS

(D)MACH = 3.90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(B-8004)	□	UPWT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	.000
(B-8021)	◇	UPWT 1088/1119 (1A-44) CONFIGURATION	02/T4	.000
(B-8002)	△	UPWT 1088/1119 (1A-44) CONFIGURATION	T4/S7	.000
(B-8019)	▽	UPWT 1088/1119 (1A-44) CONFIGURATION	T4	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

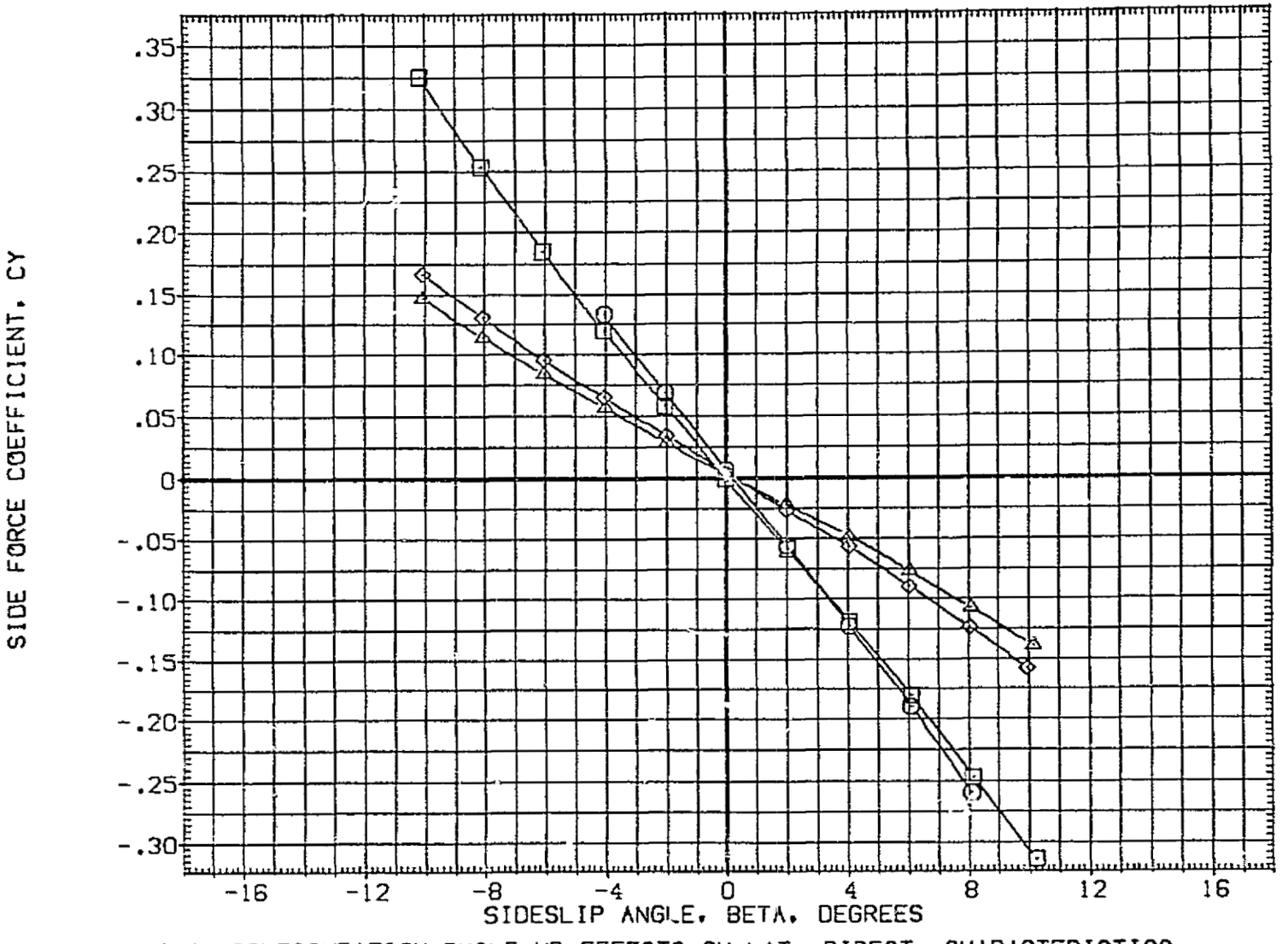


FIGURE 5 CONFIGURATION BUILD-UP EFFECTS ON LAT.-DIRECT. CHARACTERISTICS

(E)MACH = 4.60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(B-8004)	○	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
(B-8021)	□	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4	.000
(B-8002)	◇	UPWT 1088/1119 (IA-44) CONFIGURATION	T4/S7	.000
(B-8019)	△	UPWT 1088/1119 (IA-44) CONFIGURATION	T4	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1280.3000	INCHES
BREF	1280.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

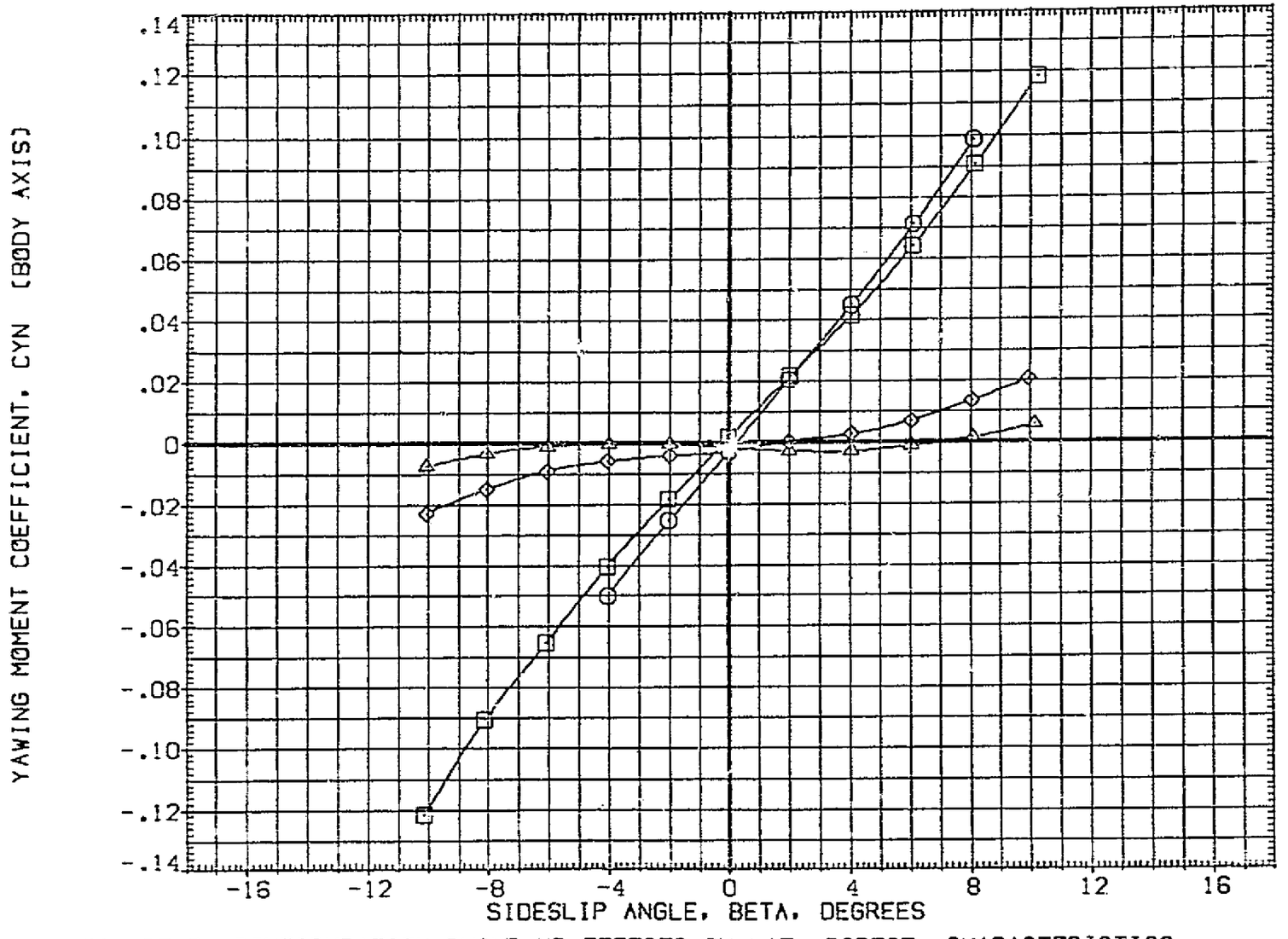


FIGURE 5 CONFIGURATION BUILD-UP EFFECTS ON LAT.-DIRECT. CHARACTERISTICS

(E)MACH = 4.60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(B-8004)	○	UPWT 1098/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
(B-8021)	□	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4	.000
(B-8002)	◇	UPWT 1088/1119 (IA-44) CONFIGURATION	T4/S7	.000
(B-8019)	△	UPWT 1088/1119 (IA-44) CONFIGURATION	T4	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

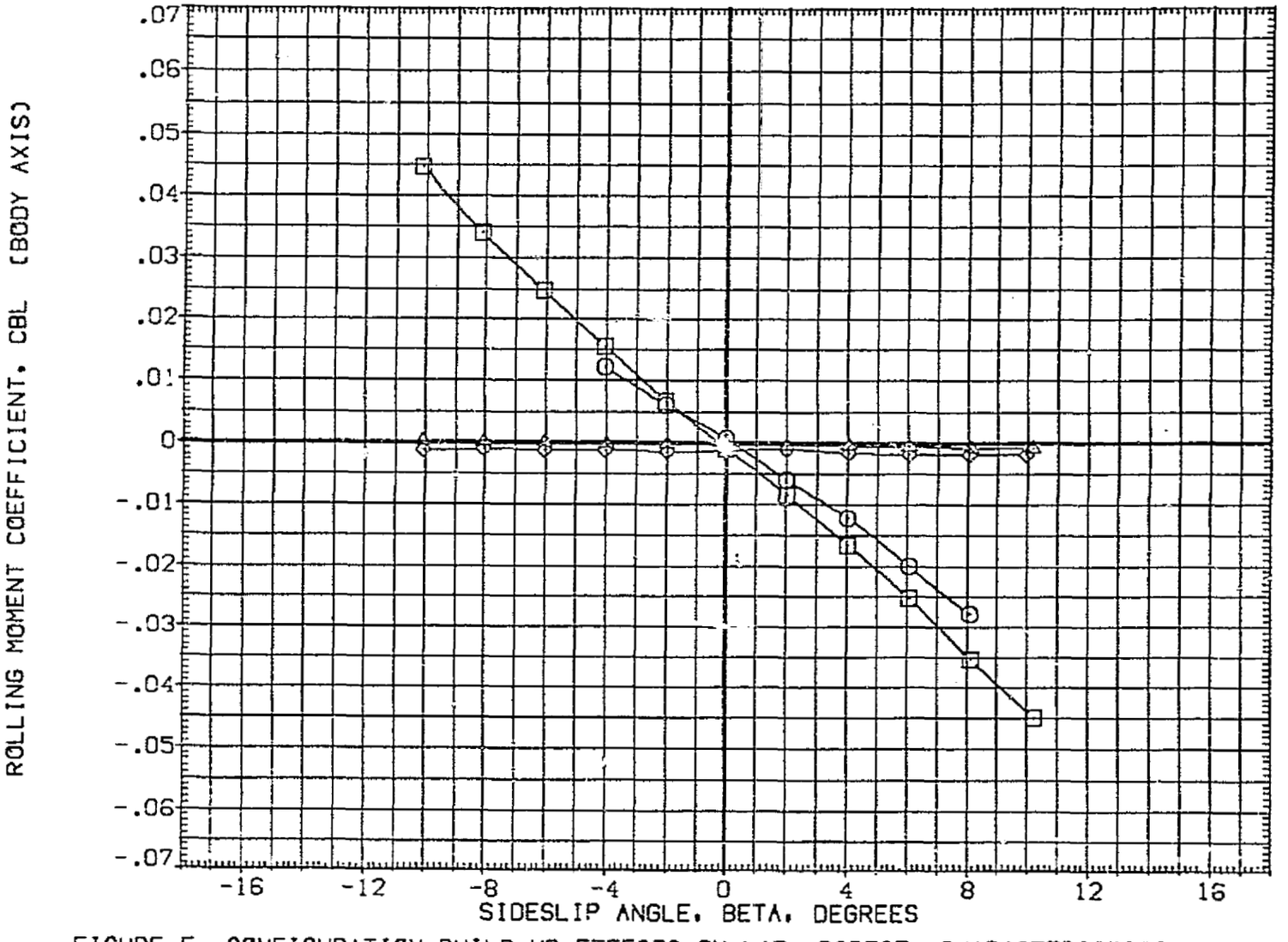


FIGURE 5 CONFIGURATION BUILD-UP EFFECTS ON LAT.-DIRECT. CHARACTERISTICS

(E)MACH = 4.60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(B-8004)	○	CPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
(B-8021)	□	CPWT 1088/1119 (IA-44) CONFIGURATION	02/T4	.000
(B-8002)	◇	CPWT 1088/1119 (IA-44) CONFIGURATION	T4/S7	.000
(B-8019)	△	CPWT 1088/1119 (IA-44) CONFIGURATION	T4	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

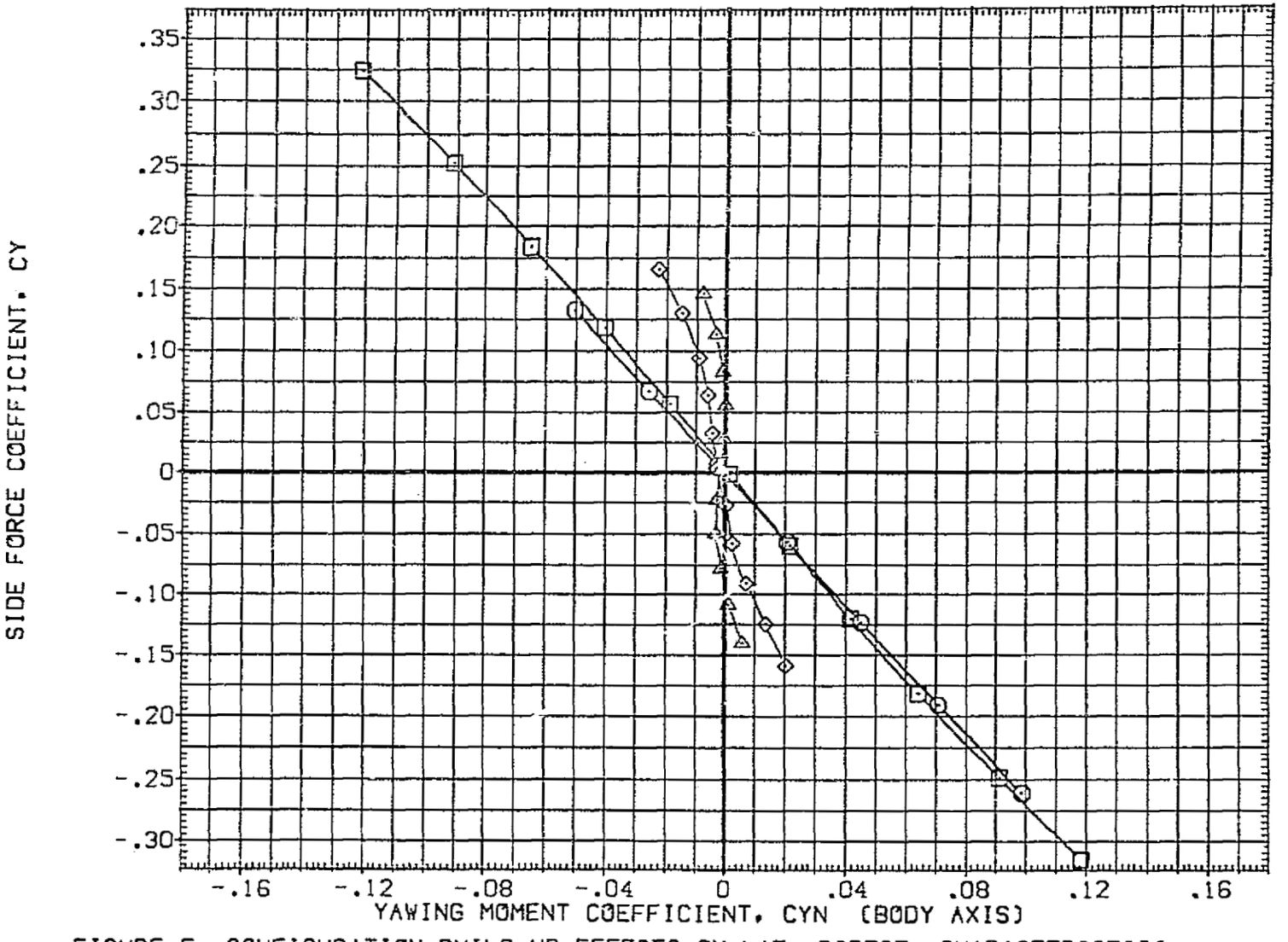


FIGURE 5 CONFIGURATION BUILD-UP EFFECTS ON LAT.-DIRECT. CHARACTERISTICS

(E)MACH = 4.60

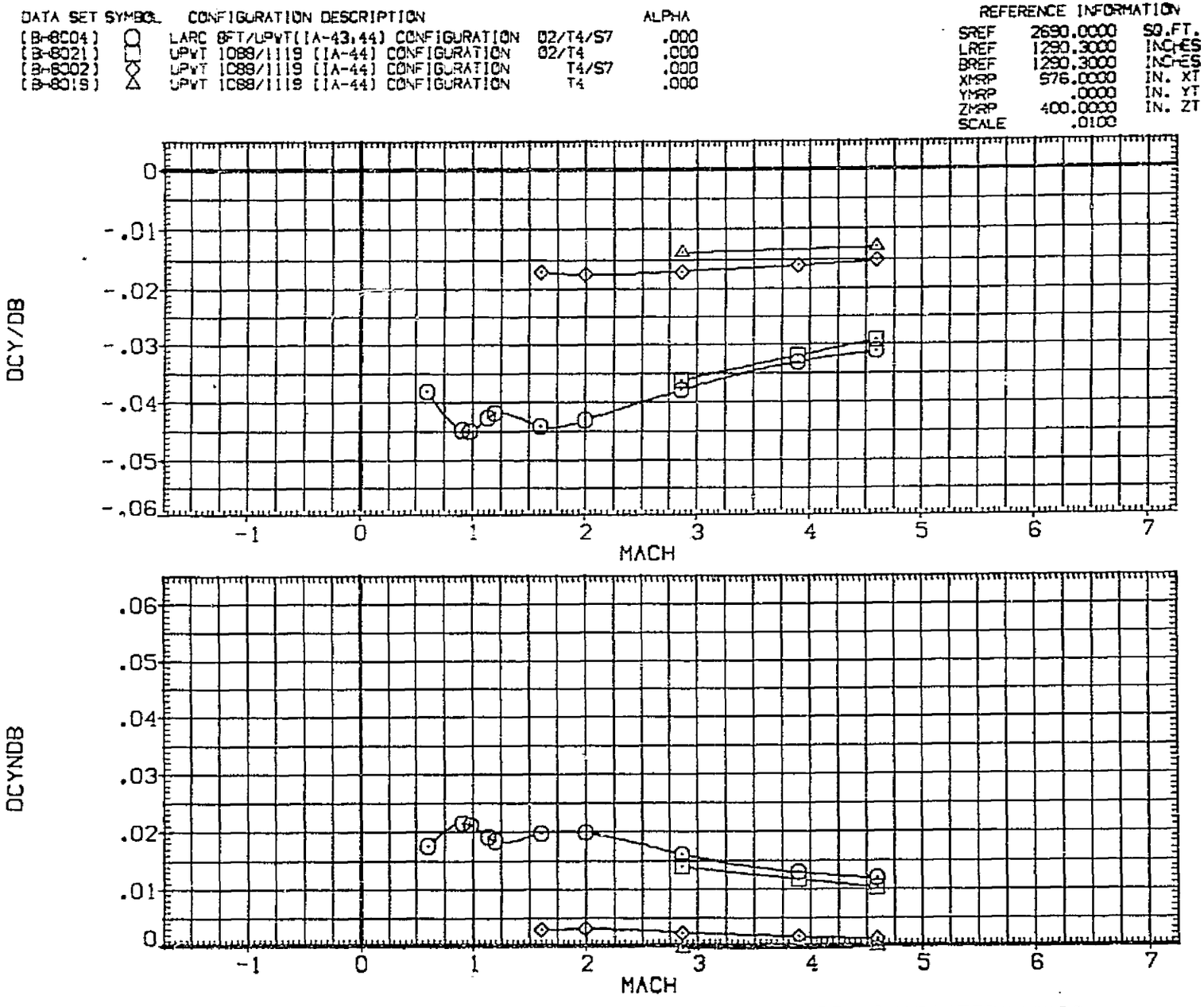


FIGURE 5 CONFIGURATION BUILD-UP EFFECTS ON LAT.-DIRECT. CHARACTERISTICS

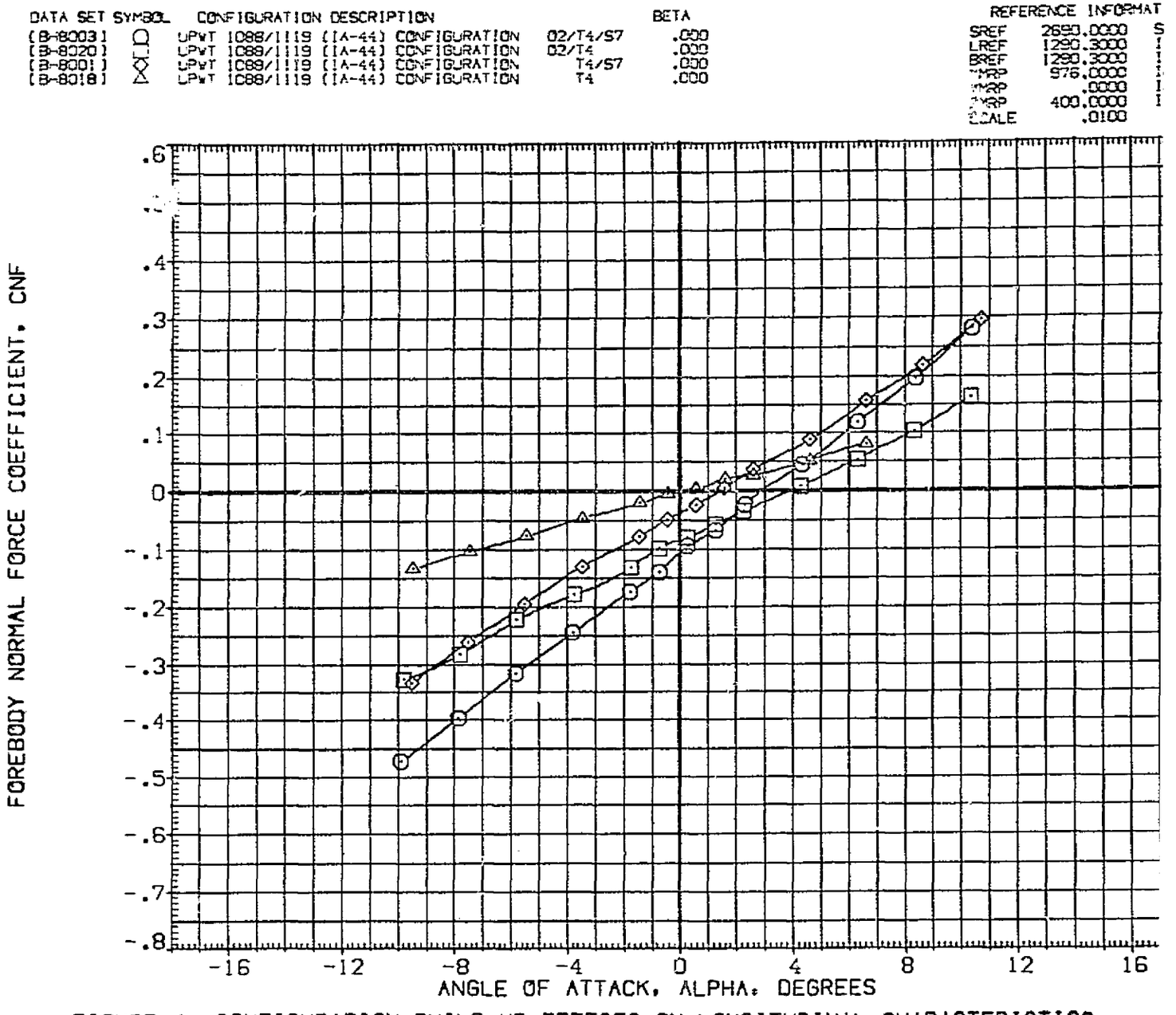


FIGURE 4 CONFIGURATION BUILD-UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

(F)MACH = 4.60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8006)	○	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	-4.000
(B-8003)		UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
(B-8005)	◇	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	4.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

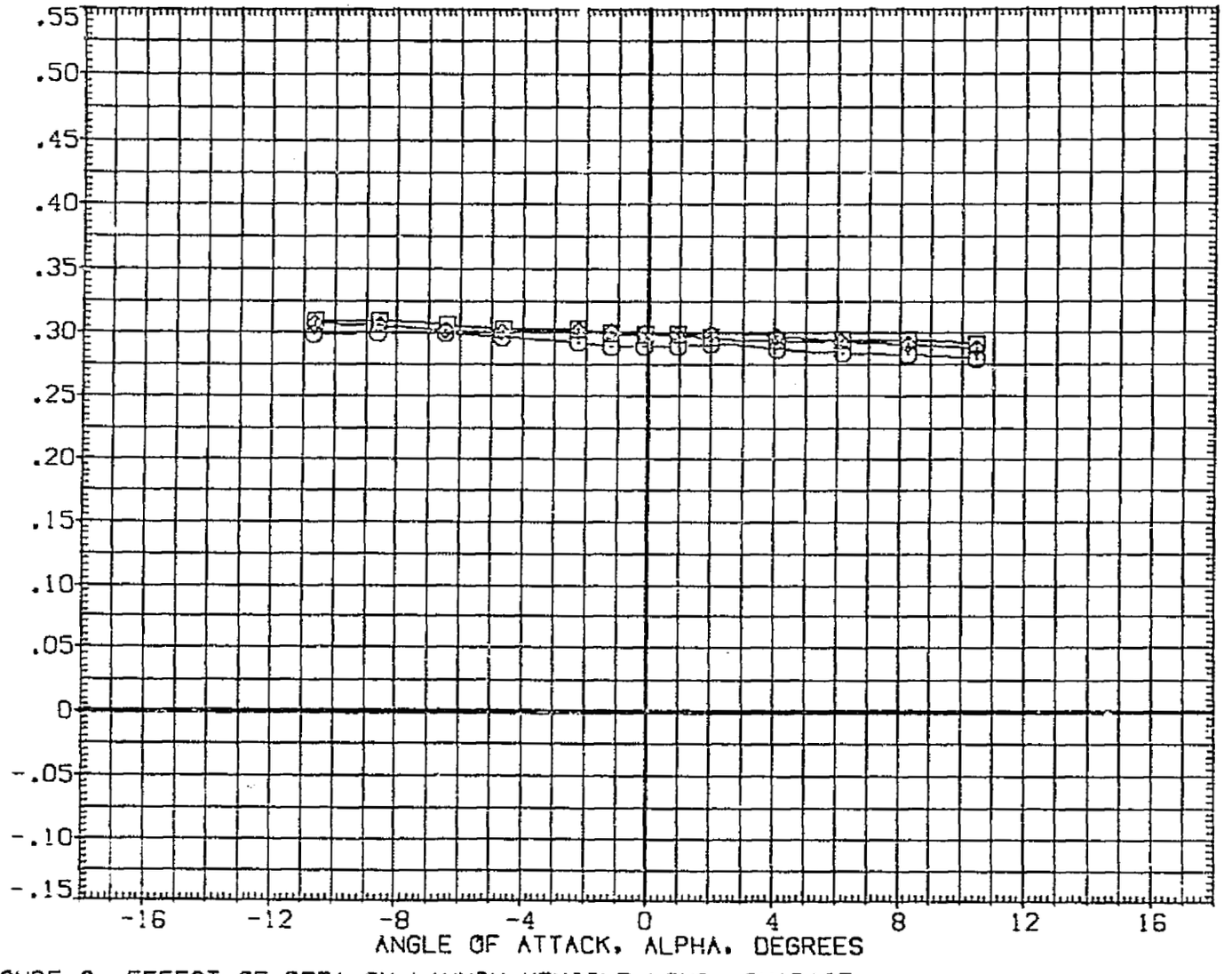


FIGURE 6 EFFECT OF BETA ON LAUNCH VEHICLE LONG. CHARACT.

(A)MACH = 1.60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8006)	○	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	-4.000
(B-8003)	□	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
(B-8005)	◇	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

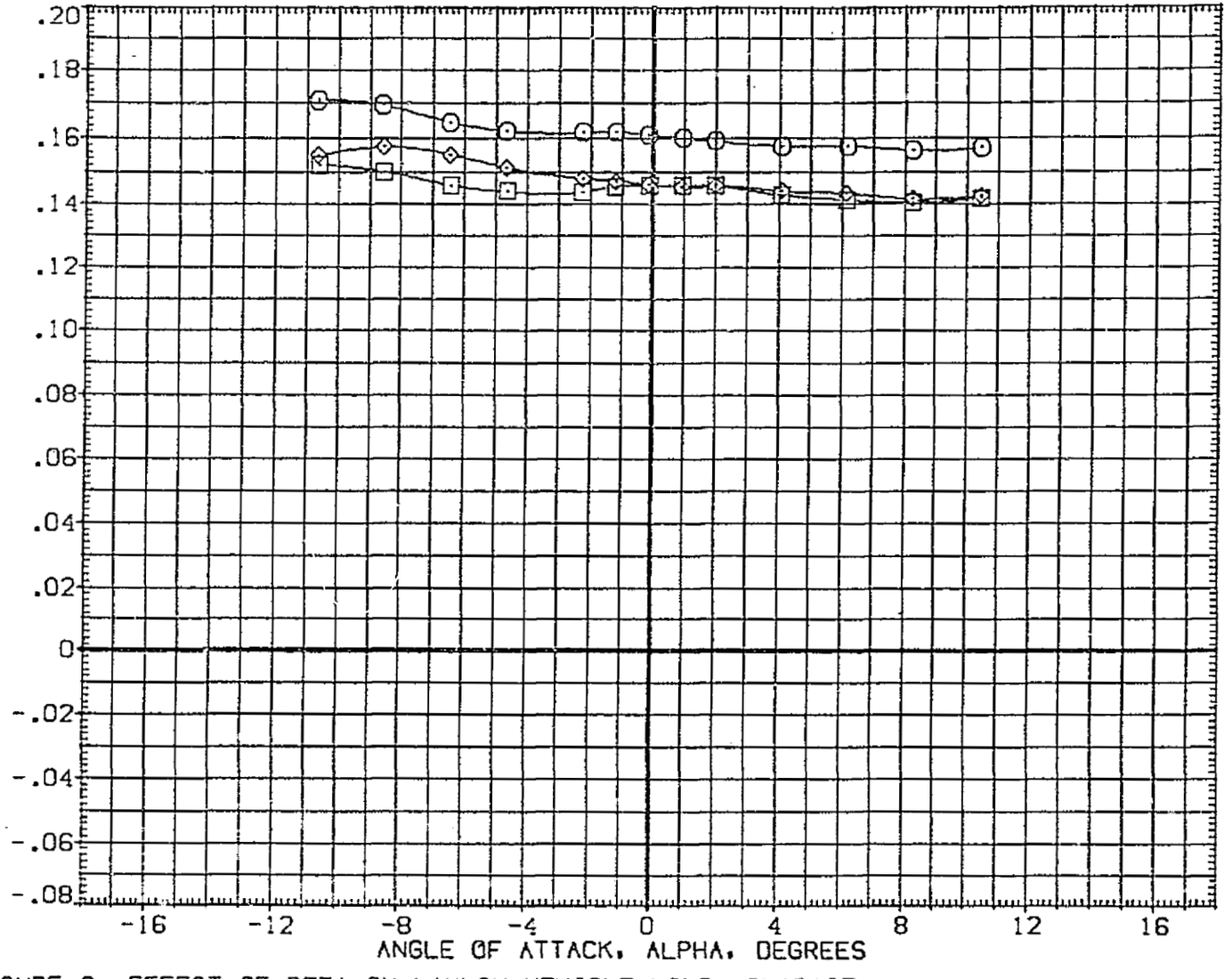


FIGURE 6 EFFECT OF BETA ON LAUNCH VEHICLE LONG. CHARACT.

(A)MACH = 1.60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8006)	□	LPVT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	-4.000
(B-8003)	⌐	LPVT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	.000
(B-8005)	◇	LPVT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	4.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

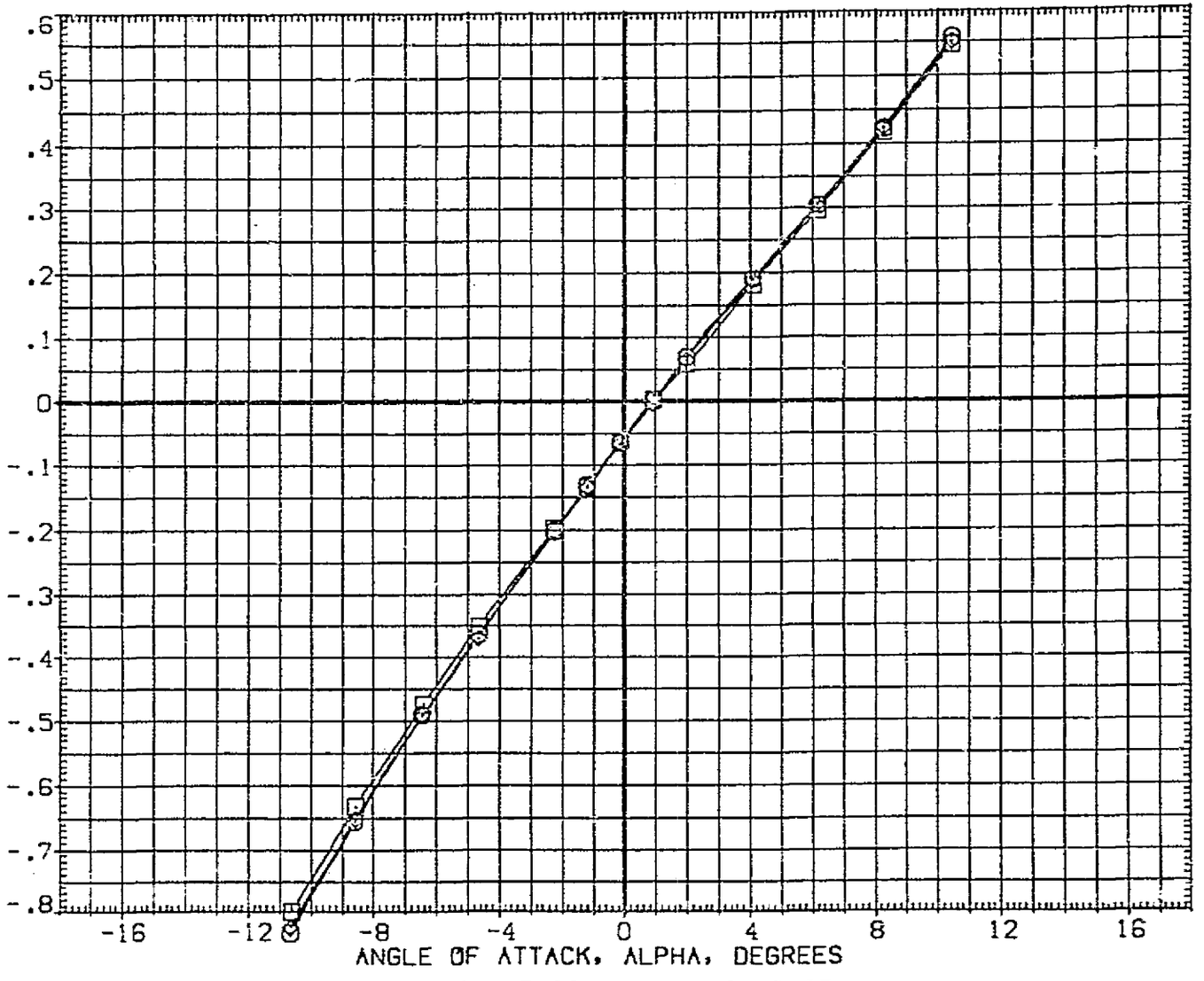


FIGURE 6 EFFECT OF BETA ON LAUNCH VEHICLE LONG. CHARACT.

(A)MACH = 1.60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8006)	○	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	-4.000
(B-8003)	□	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
(B-8005)	◇	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	4.000

REFERENCE INFORMATION

SREF	2650.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

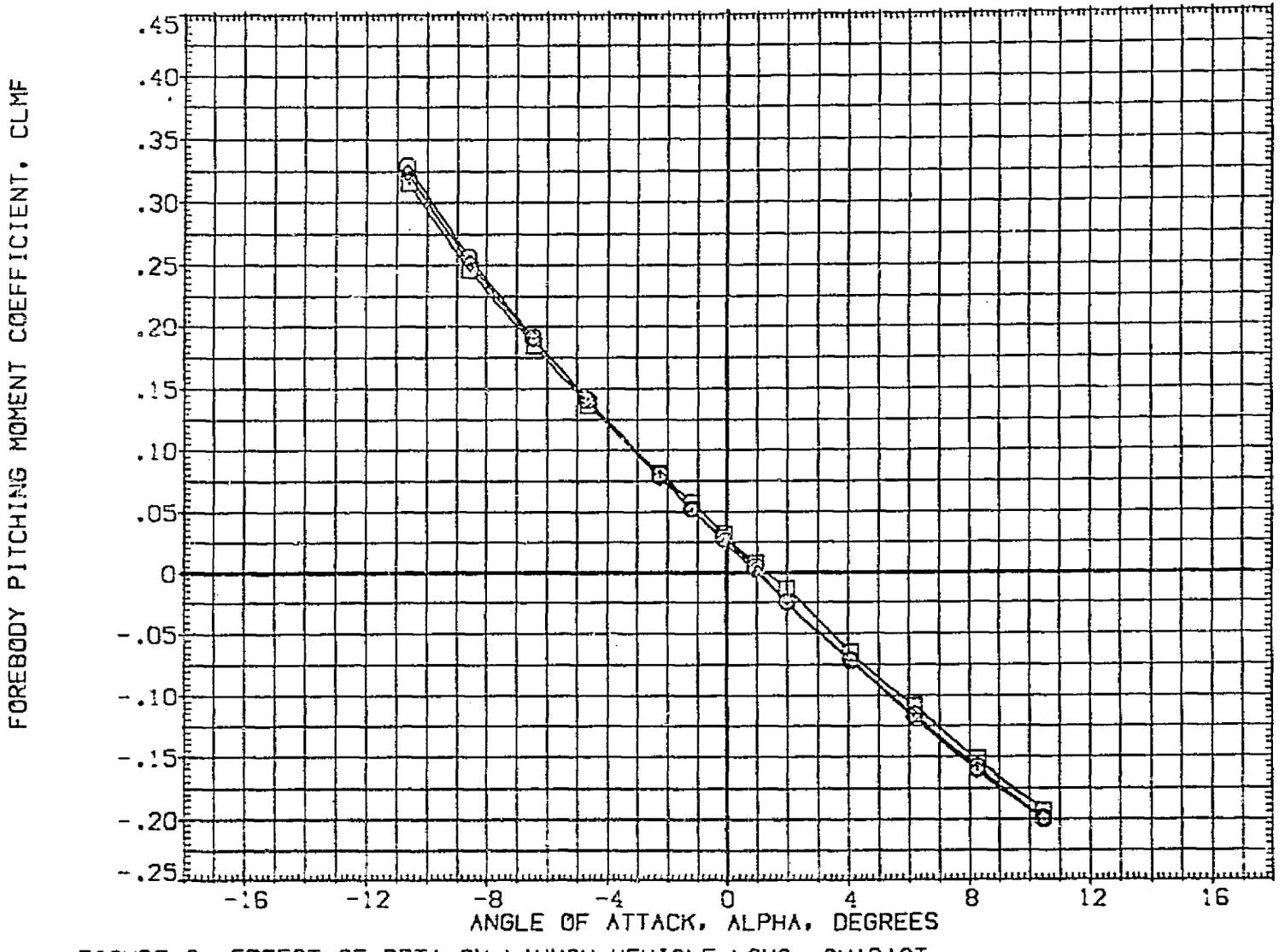


FIGURE 6 EFFECT OF BETA ON LAUNCH VEHICLE LONG. CHARACT.

(A)MACH = 1.60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8006)	□	UPWT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	-4.000
(B-8003)	○	UPWT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	.000
(B-8005)	◇	UPWT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	4.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

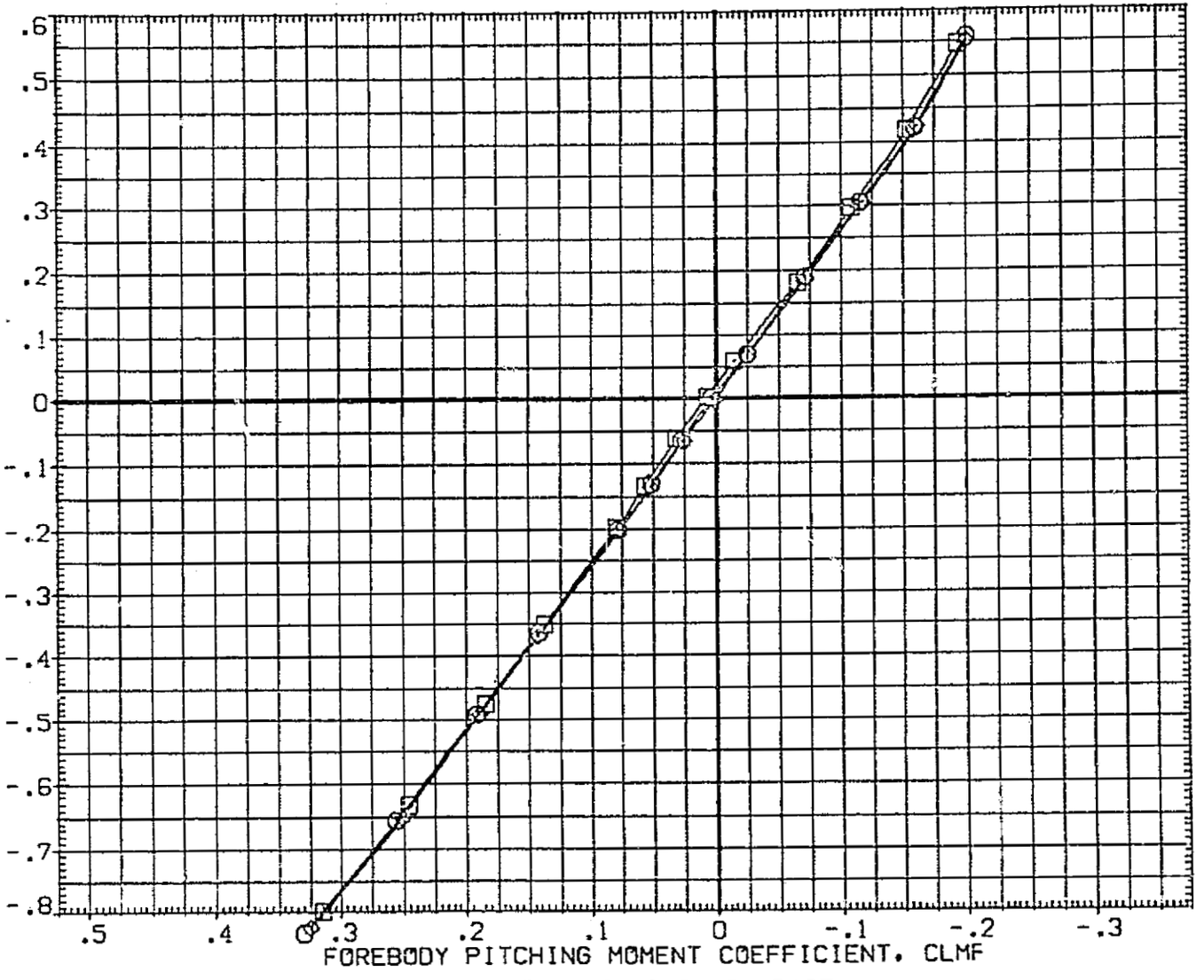


FIGURE 6 EFFECT OF BETA ON LAUNCH VEHICLE LONG. CHARACT.

(A)MACH = 1.60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8006)	○	LPWT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	-4.000
(B-8003)	□	LPWT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	.000
(B-8005)	◇	LPWT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	4.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

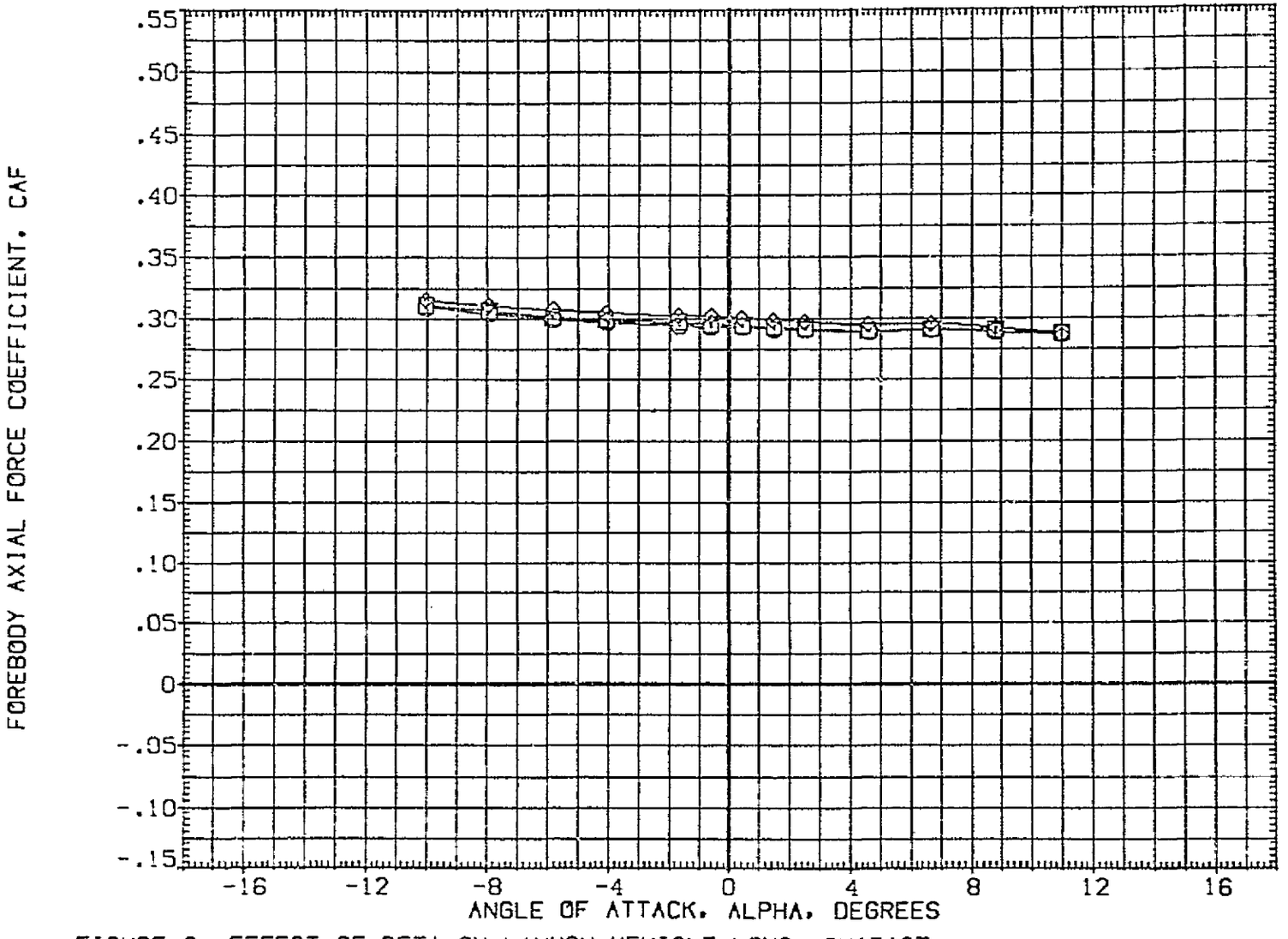


FIGURE 6 EFFECT OF BETA ON LAUNCH VEHICLE LONG. CHARACT.

(B)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8006)	□	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	-4.000
(B-8003)	△	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
(B-8005)	◇	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	4.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

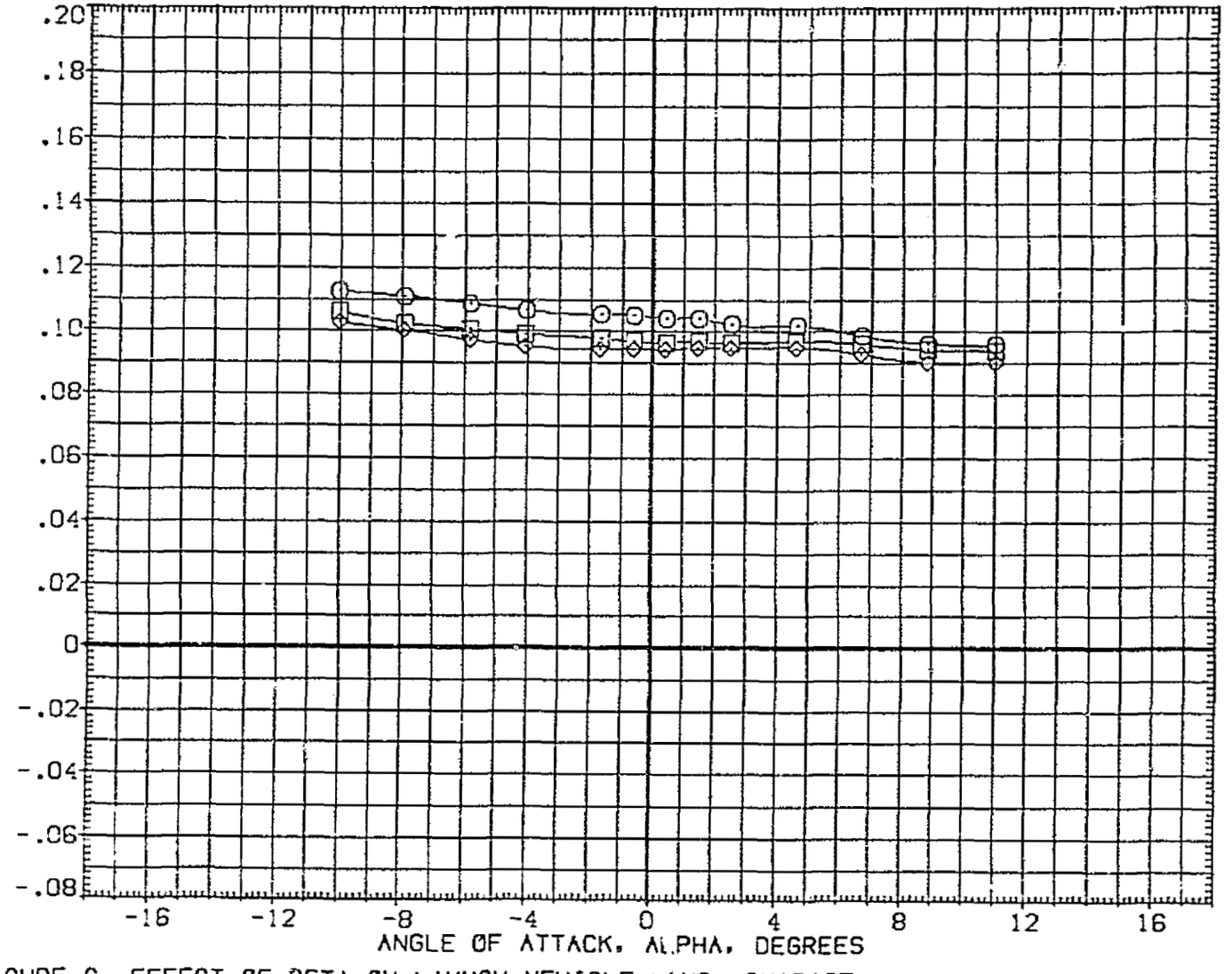


FIGURE 6 EFFECT OF BETA ON LAUNCH VEHICLE LONG. CHARACT.

(B)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8006)	□	CPVT 1088 1119 (1A-44) CONFIGURATION	02/T4/S7	-4.000
(B-8003)	○	CPVT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	.000
(B-8005)	◇	CPVT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	4.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

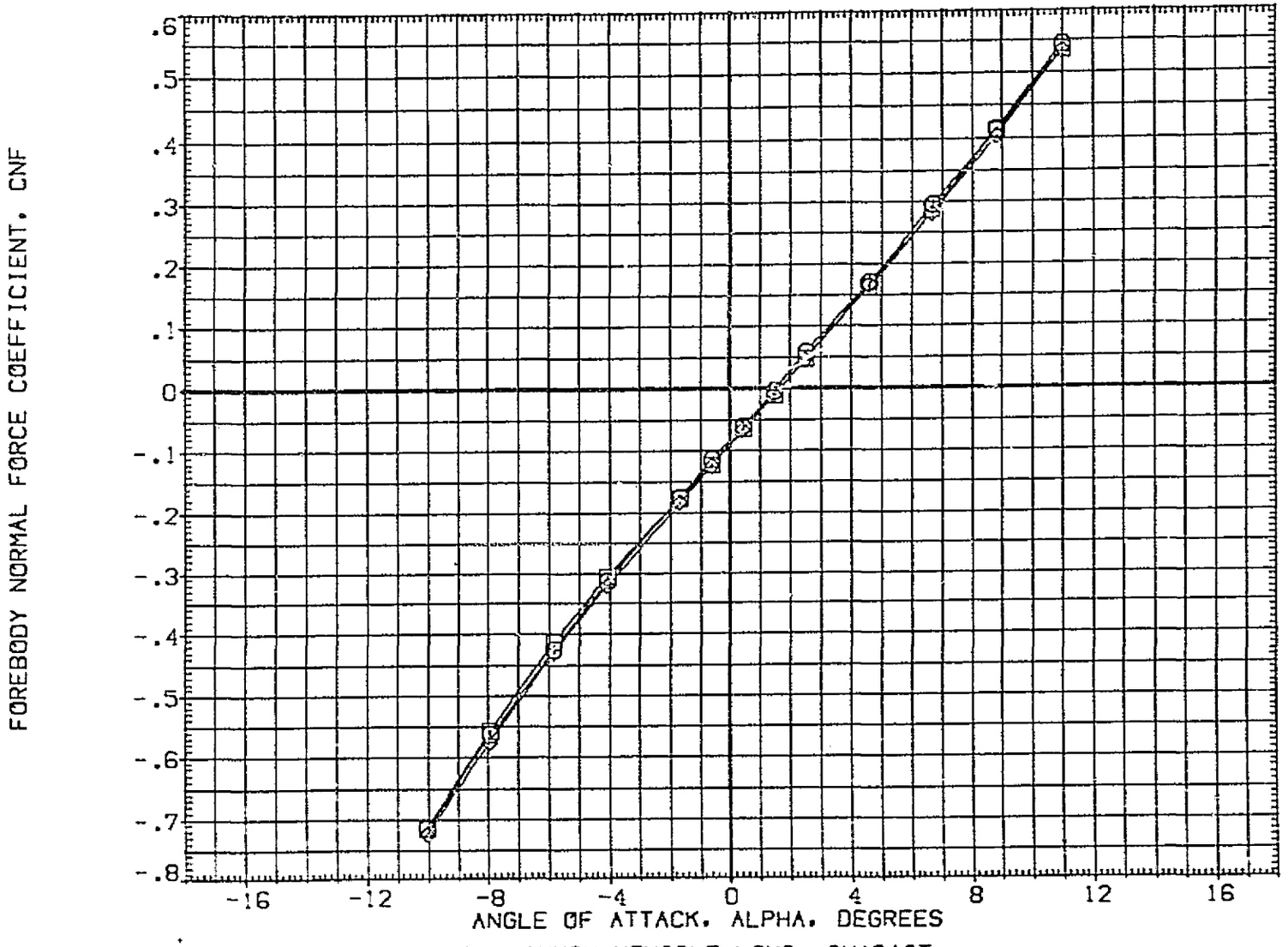


FIGURE 6 EFFECT OF BETA ON LAUNCH VEHICLE LONG. CHARACT.

(B)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8006)	○	UPWT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	-4.000
(B-8003)	□	UPWT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	.000
(B-8005)	◇	UPWT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	4.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

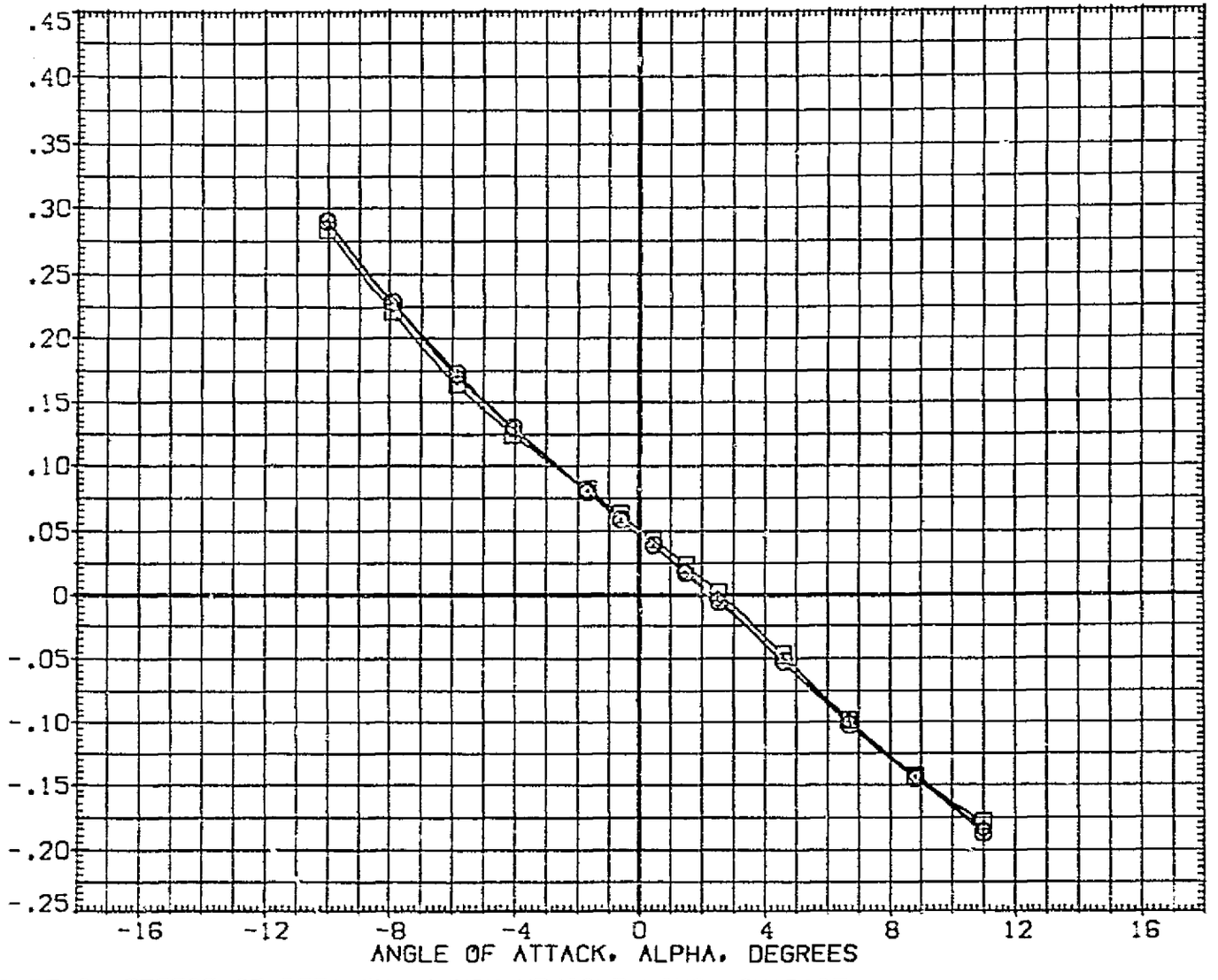


FIGURE 6 EFFECT OF BETA ON LAUNCH VEHICLE LONG. CHARACT.

(B)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-6026)	□	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	-4.000
(B-8009)	◇	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
(B-8005)	○	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	4.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1280.3000	INCHES
BREF	1280.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

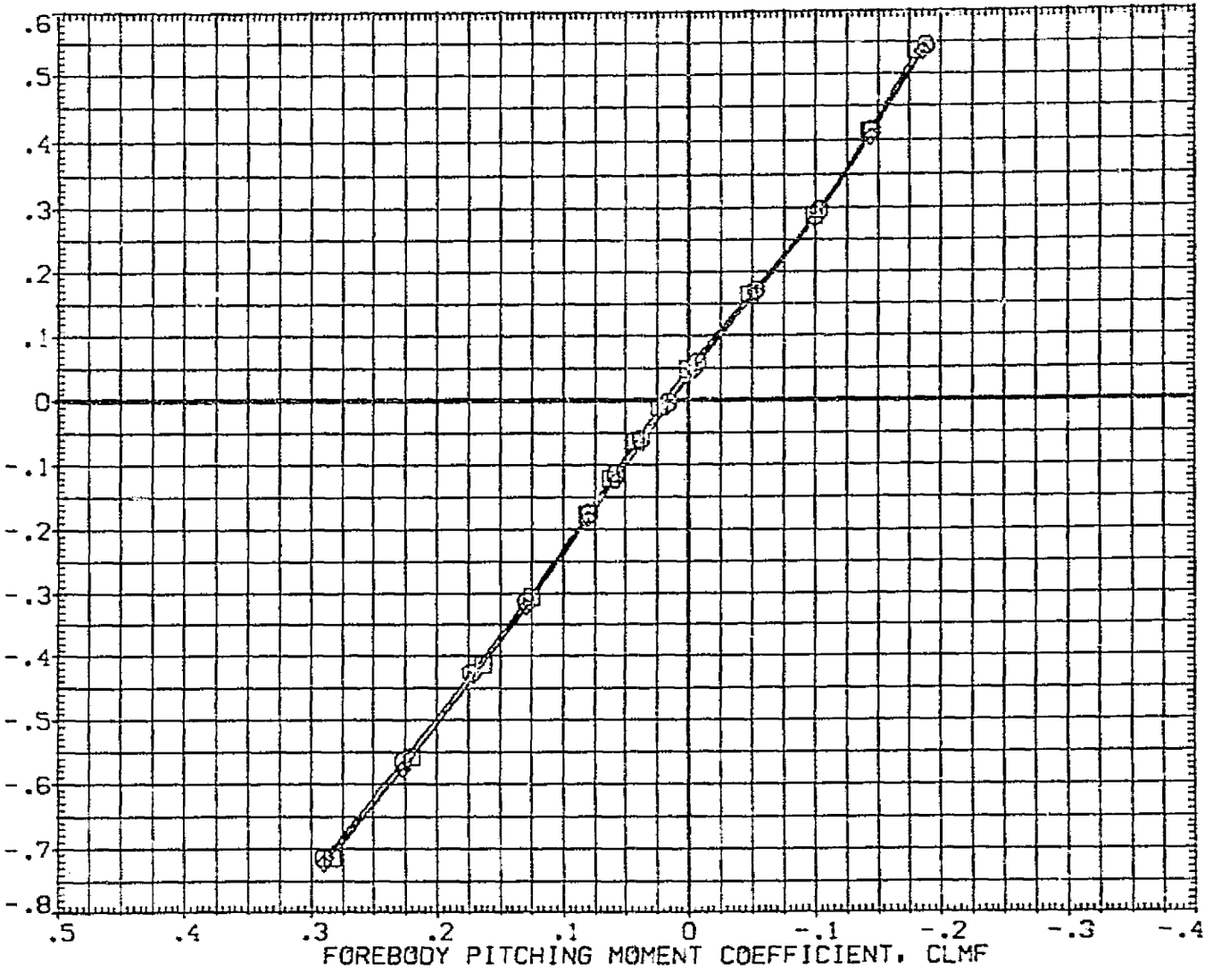


FIGURE 6 EFFECT OF BETA ON LAUNCH VEHICLE LONG. CHARACT.

(B)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8006)	○	UPWT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	-4.000
(B-8003)	□	UPWT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	.000
(B-8005)	◇	UPWT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	4.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3300	INCHES
BREF	1290.3300	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

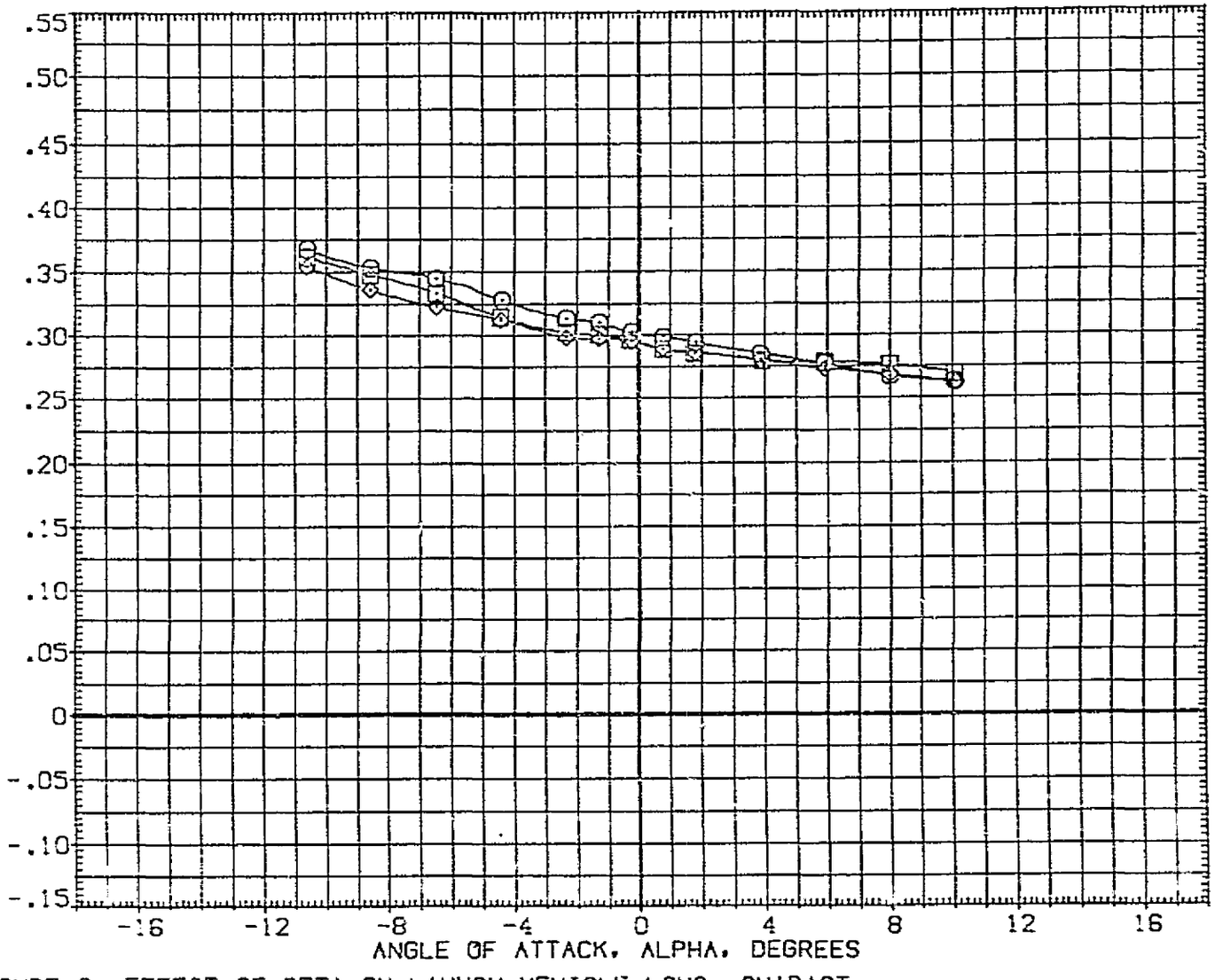


FIGURE 6 EFFECT OF BETA ON LAUNCH VEHICLE LONG. CHARACT.

(C)MACH = 2.86

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(3-8006)	□	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	-4.000
(3-8003)	○	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
(3-8005)	◇	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	4.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

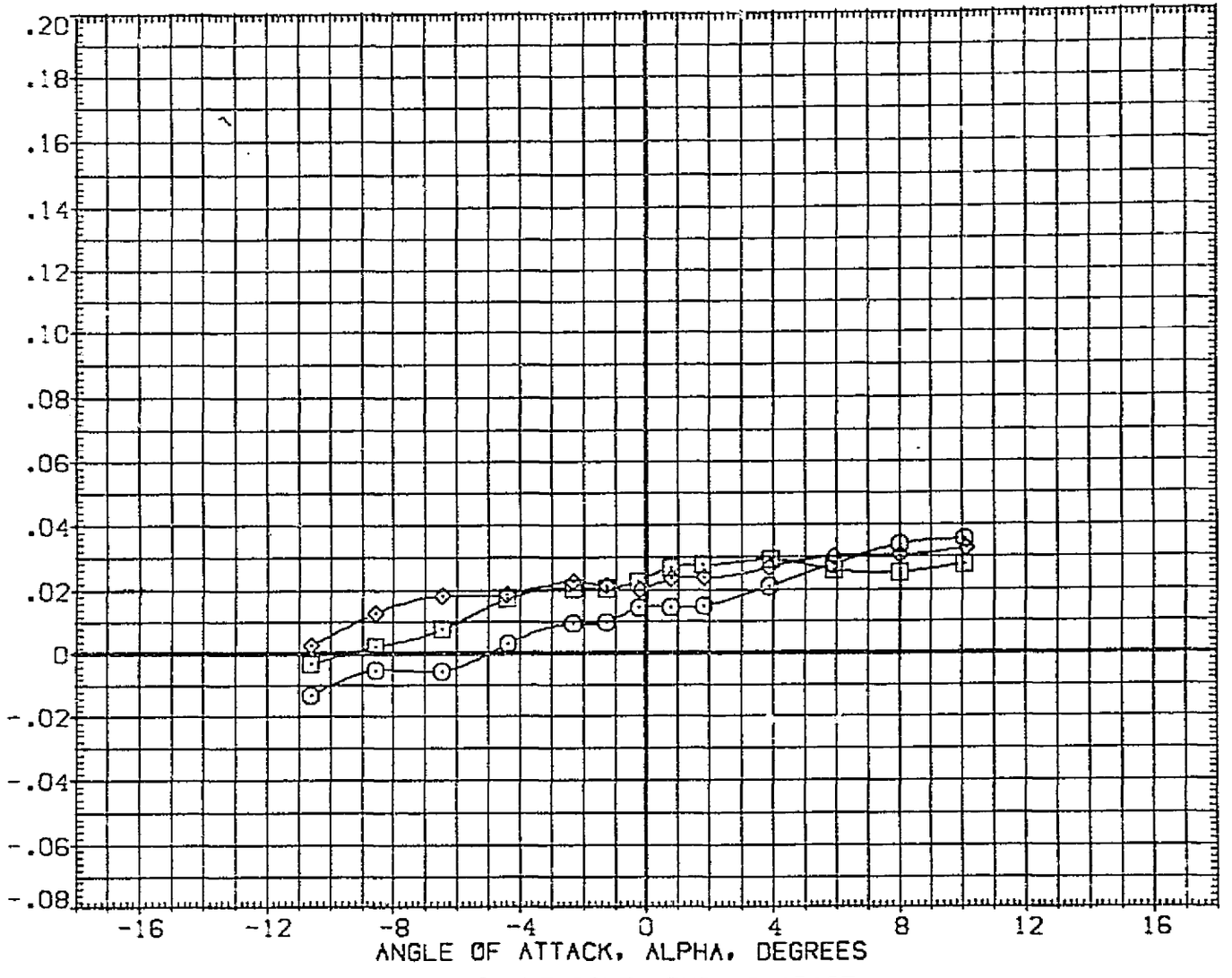


FIGURE 6 EFFECT OF BETA ON LAUNCH VEHICLE LONG. CHARACT.

(C)MACH = 2.86

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-6006)	□	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	-4.000
(B-6003)	○	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
(B-6005)	◇	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	4.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	975.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

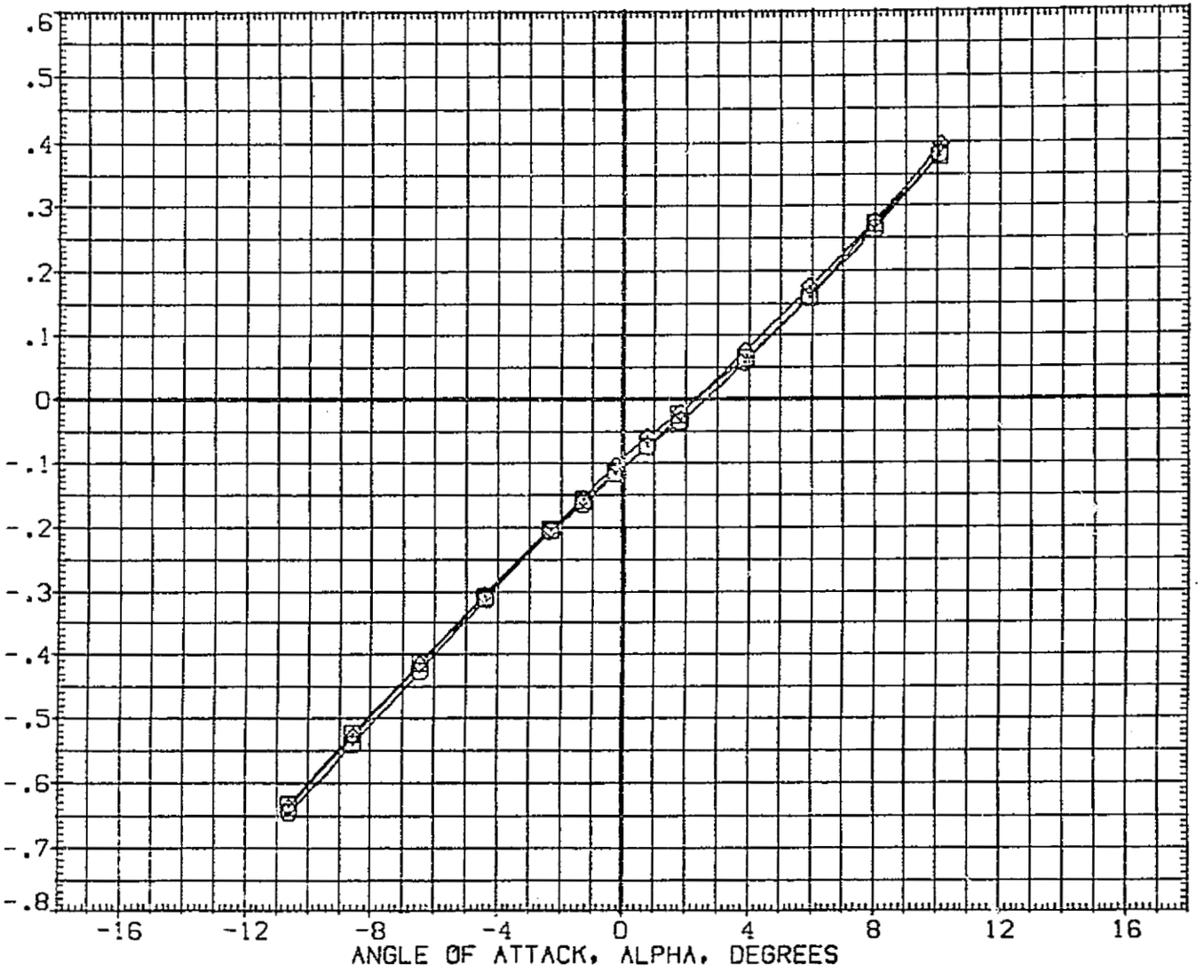


FIGURE 6 EFFECT OF BETA ON LAUNCH VEHICLE LONG. CHARACT.

(C)MACH = 2.86

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8005)	□	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	-4.000
(B-8003)	◇	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
(B-8005)	◁	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	4.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

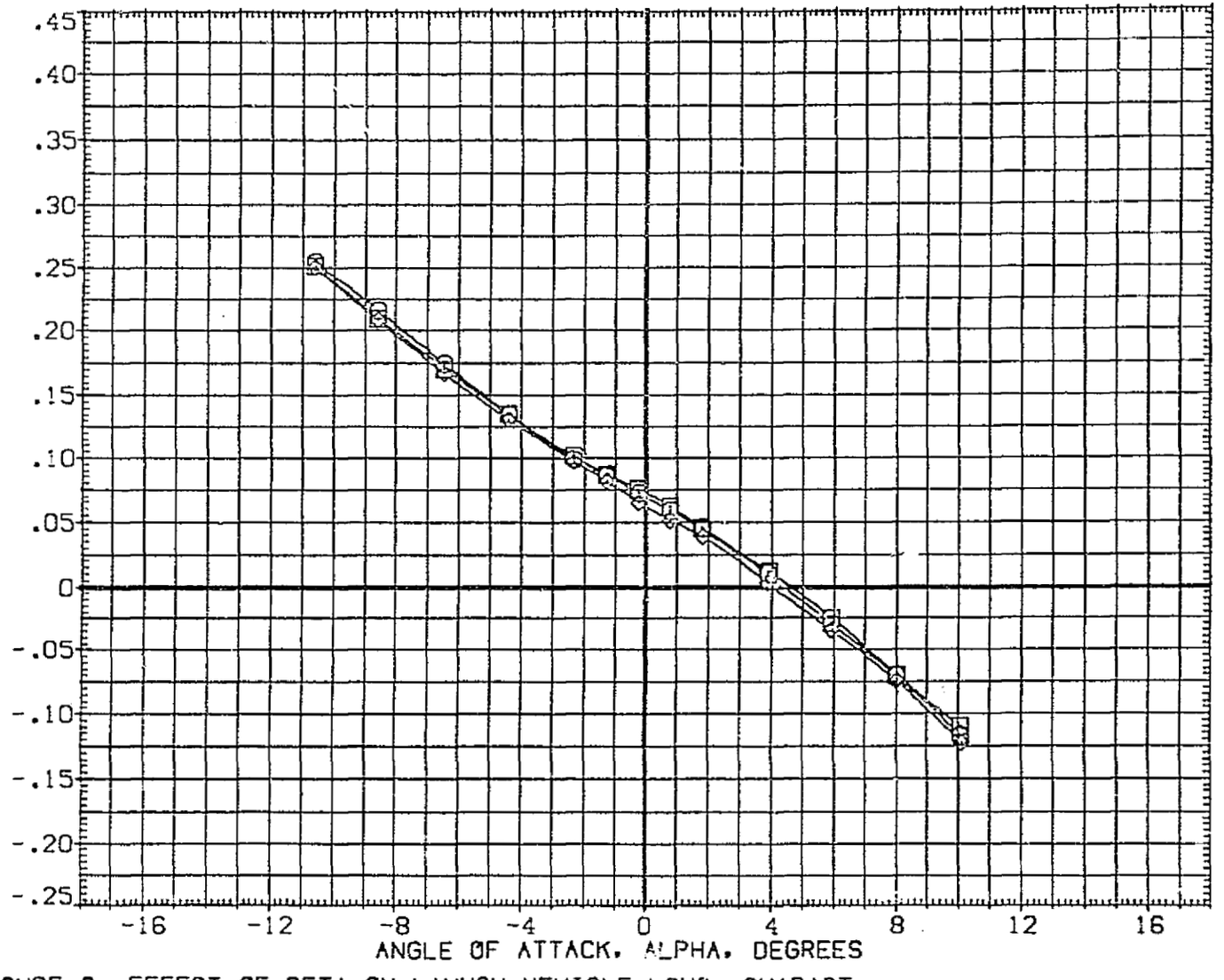


FIGURE 6 EFFECT OF BETA ON LAUNCH VEHICLE LONG. CHARACT.

(C)MACH = 2.86

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8006)	○	UPWT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	-4.000
(B-8003)	□	UPWT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	.000
(B-8005)	◇	UPWT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	4.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

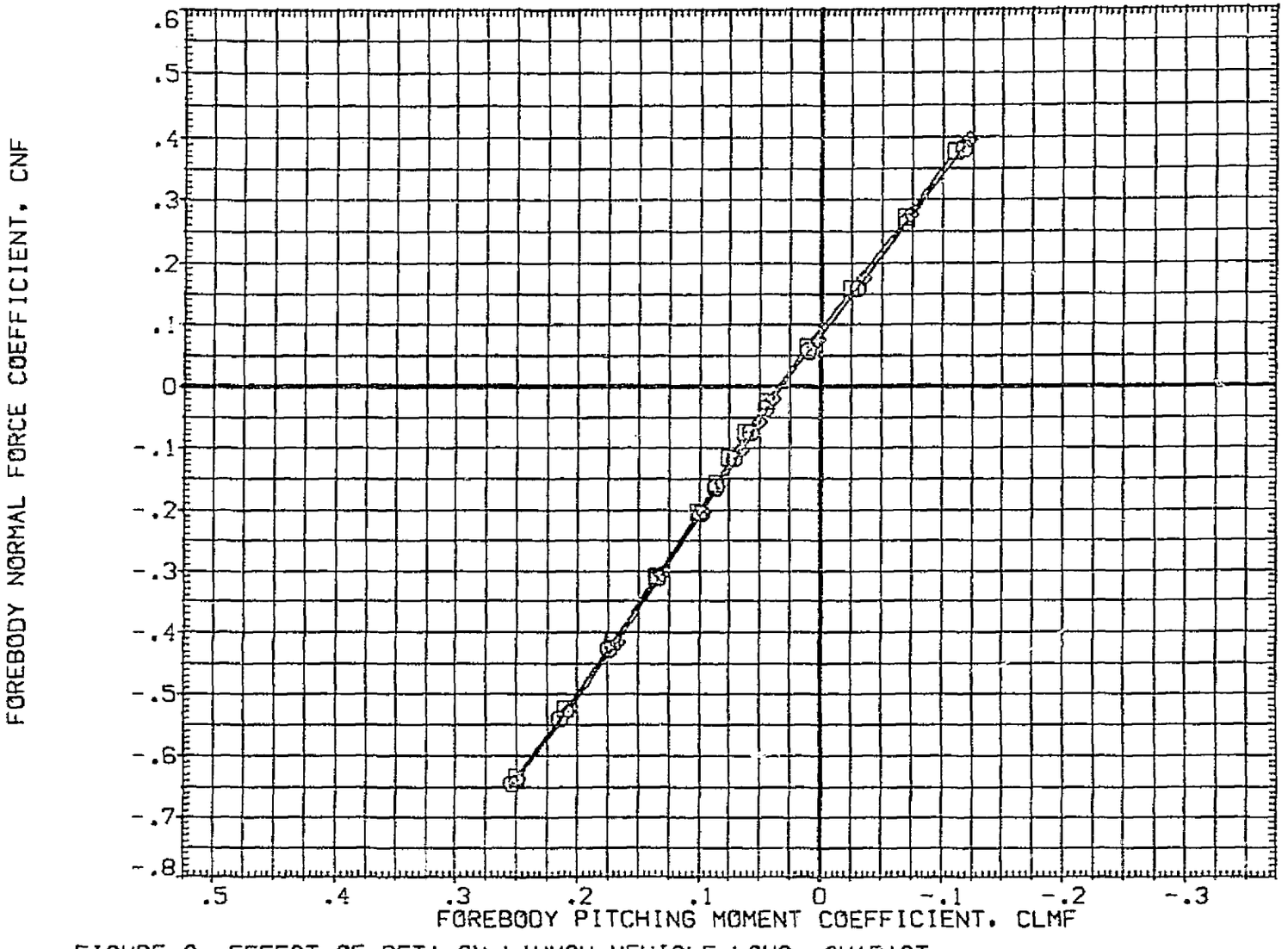


FIGURE 6 EFFECT OF BETA ON LAUNCH VEHICLE LONG. CHARACT.

(C)MACH = 2.86

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8006)	□	LPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	-4.000
(B-8003)	○	LPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
(B-8005)	◇	LPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	4.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

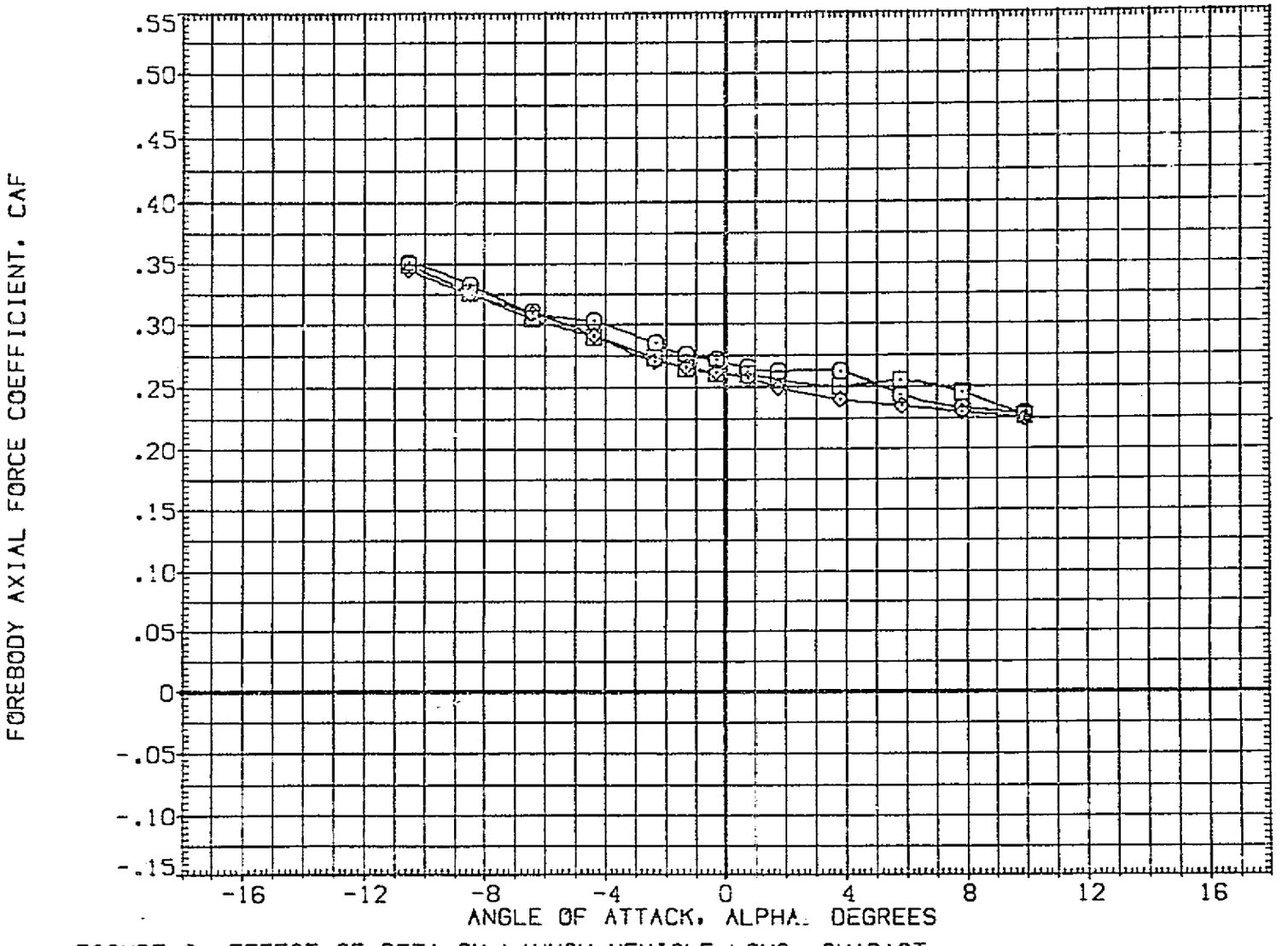


FIGURE 6 EFFECT OF BETA ON LAUNCH VEHICLE LONG. CHARACT.

(D)MACH = 3.90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8006)	□	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	-4.000
(B-8003)	○	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
(B-8005)	◇	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	4.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

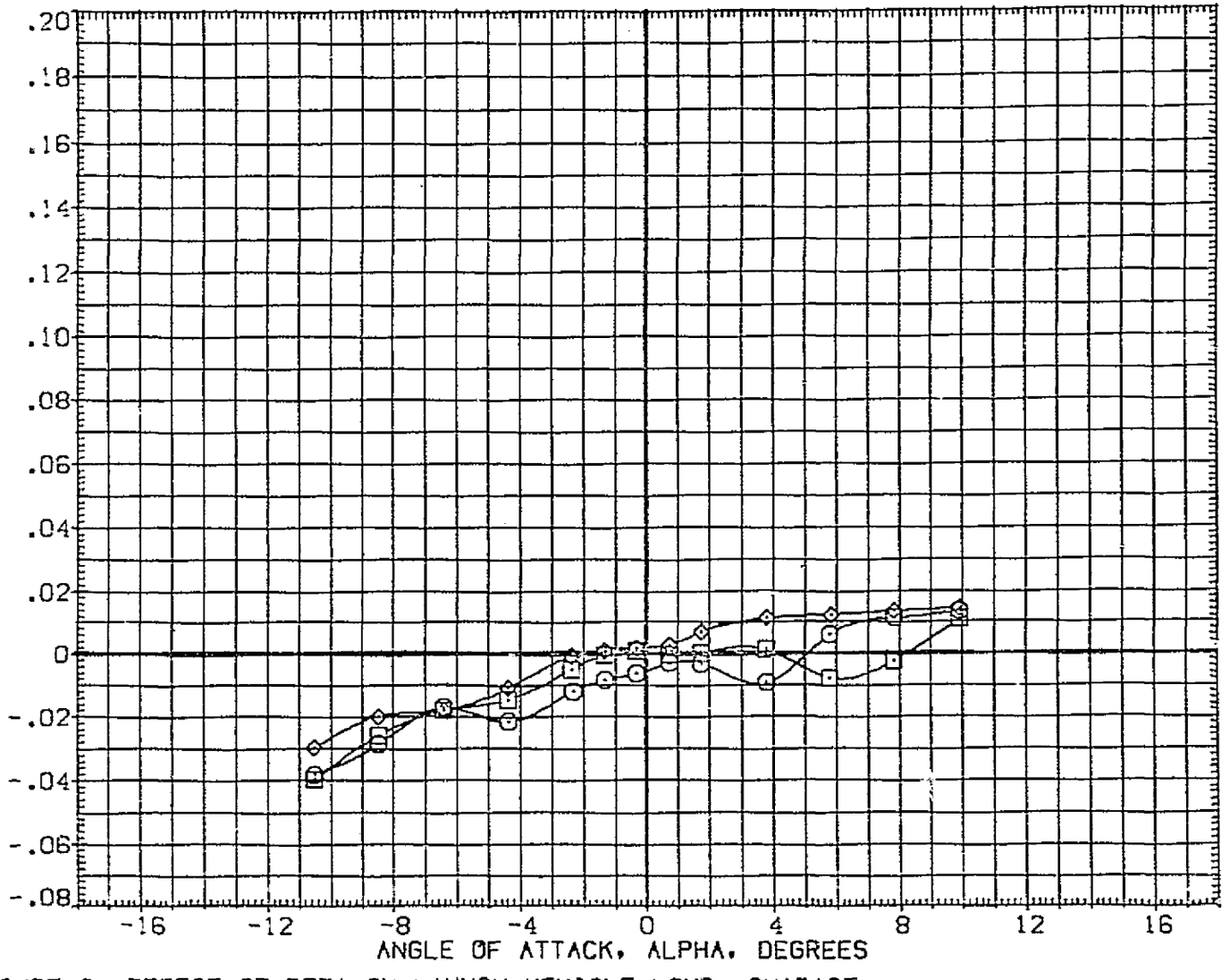


FIGURE 6 EFFECT OF BETA ON LAUNCH VEHICLE LONG. CHARACT.

(D)MACH = 3.90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8006)	○	LPVT 1098/1119 (IA-44) CONFIGURATION	02/T4/S7	-4.000
(B-8003)	□	LPVT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
(B-8005)	◇	LPVT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	4.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

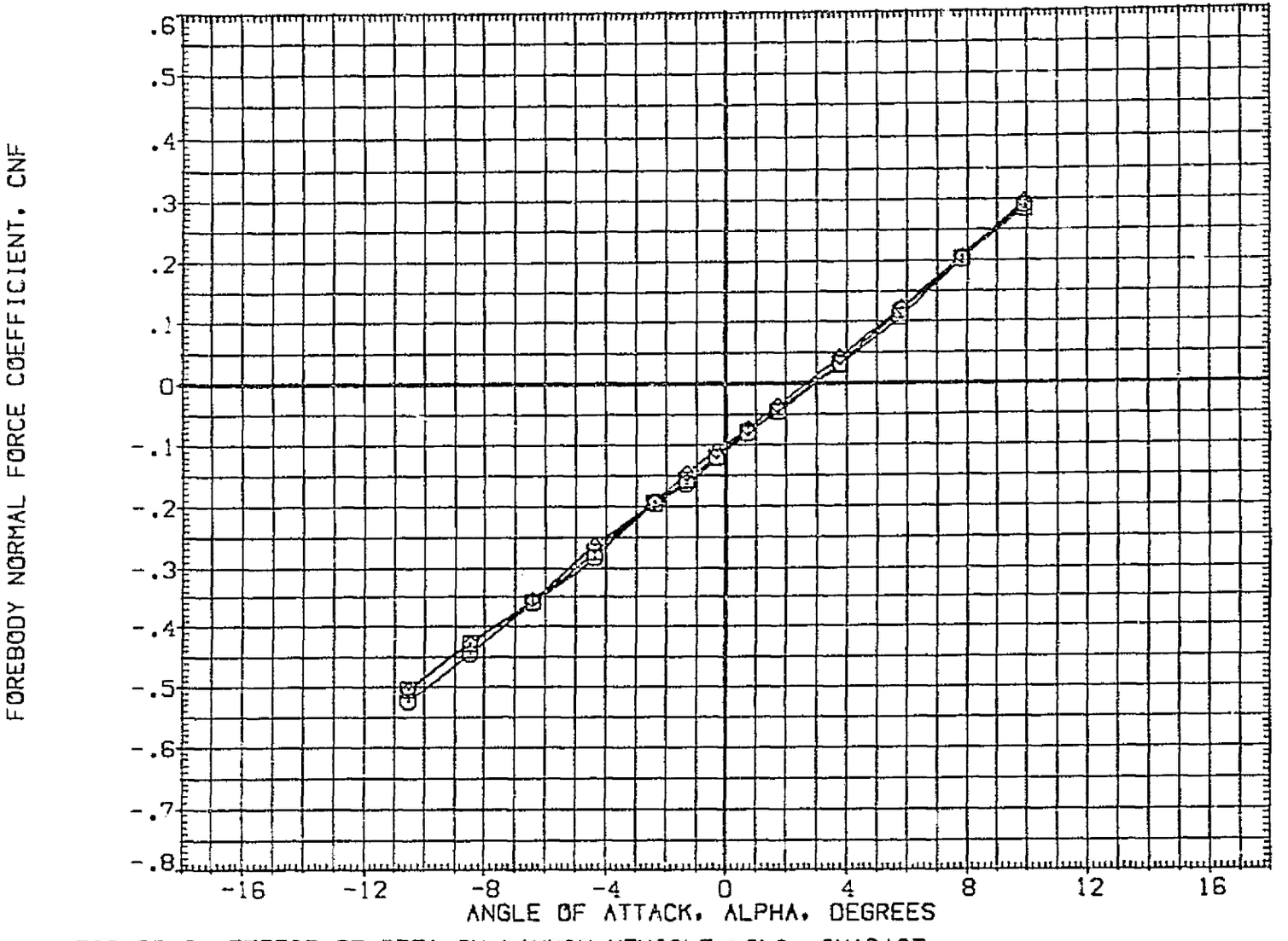


FIGURE 6 EFFECT OF BETA ON LAUNCH VEHICLE LONG. CHARACT.

(□)MACH = 3.90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8006)	○	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	-4.000
(B-8003)	□	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
(B-8005)	◇	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	4.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

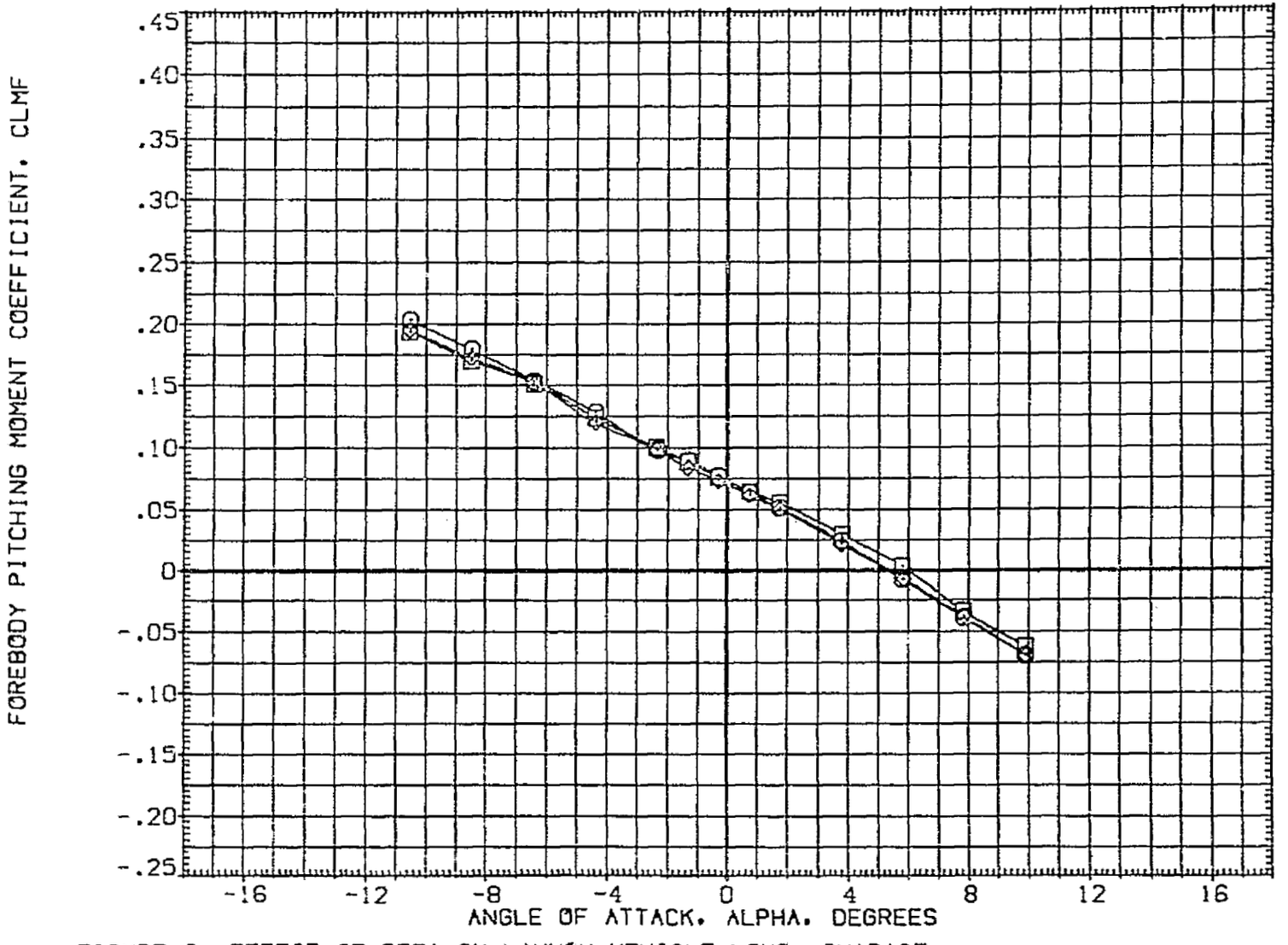


FIGURE 6 EFFECT OF BETA ON LAUNCH VEHICLE LONG. CHARACT.

(D)MACH = 3.90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8006)	○	UPWT (088/111)9 ((A-44) CONFIGURATION	02/T4/S7	-4.000
(B-8003)	□	UPWT (088/111)9 ((A-44) CONFIGURATION	02/T4/S7	.000
(B-8005)	◇	UPWT (088/111)9 ((A-44) CONFIGURATION	02/T4/S7	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

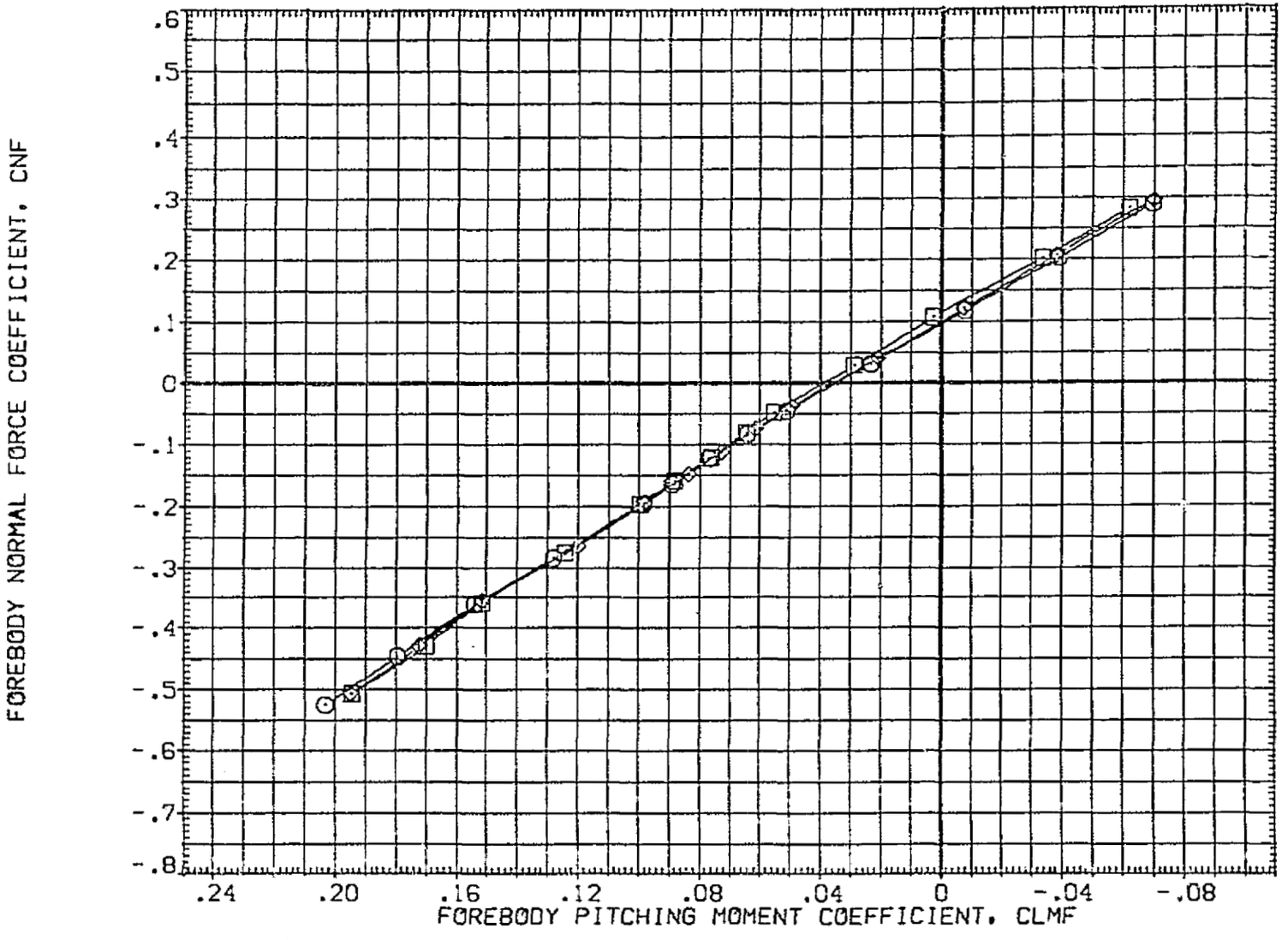


FIGURE 6 EFFECT OF BETA ON LAUNCH VEHICLE LONG. CHARACT.

(D)MACH = 3.90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8006)	○	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	-4.000
(B-8003)	□	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
(B-8005)	◇	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	4.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

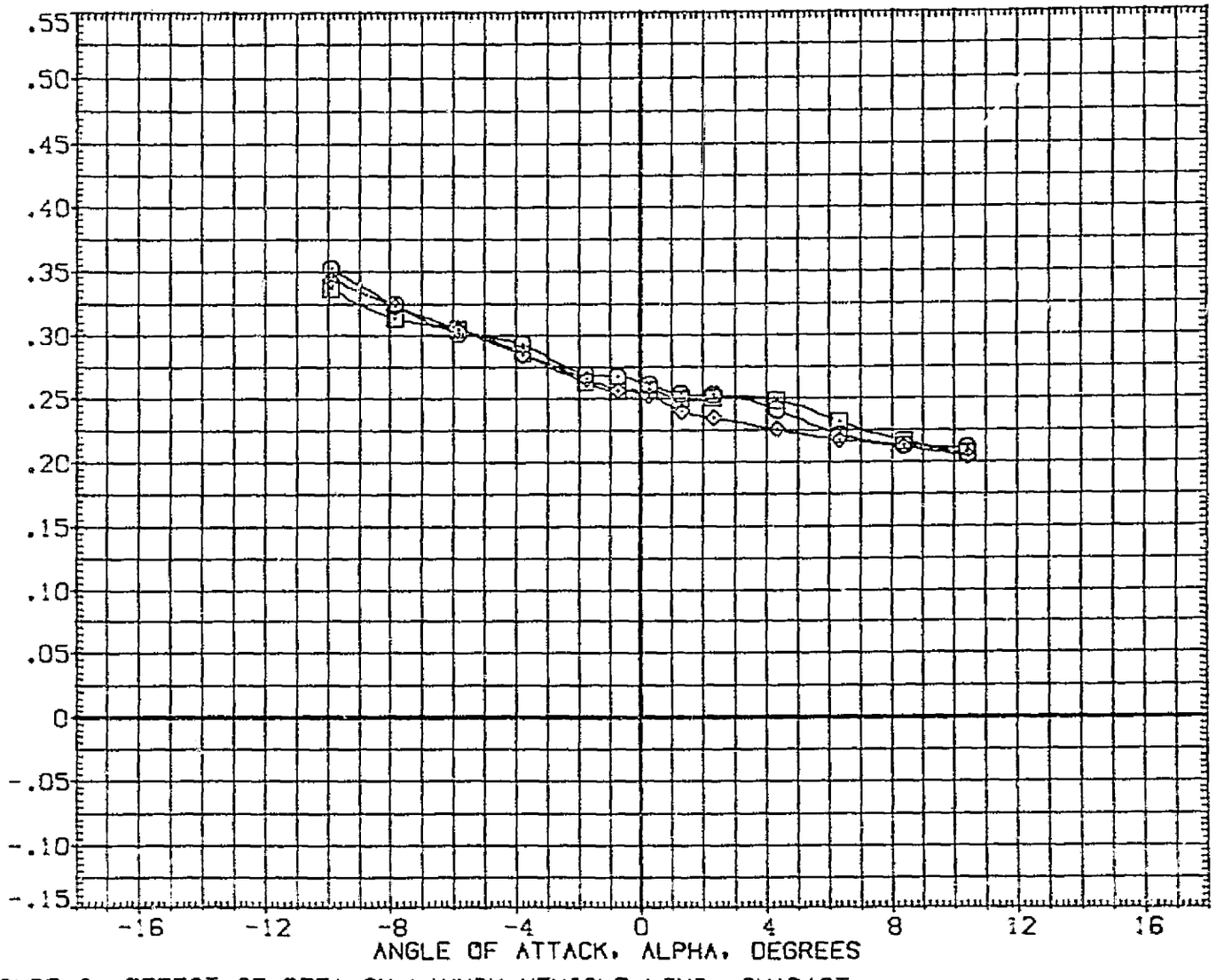


FIGURE 6 EFFECT OF BETA ON LAUNCH VEHICLE LONG. CHARACT.

(E)MACH = 4.60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(9+8006)	□	CPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	-4.000
(9+8003)	◇	CPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
(9+8005)	△	CPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	4.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1280.3000	INCHES
BREF	1280.3000	INCHES
XMRP	916.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

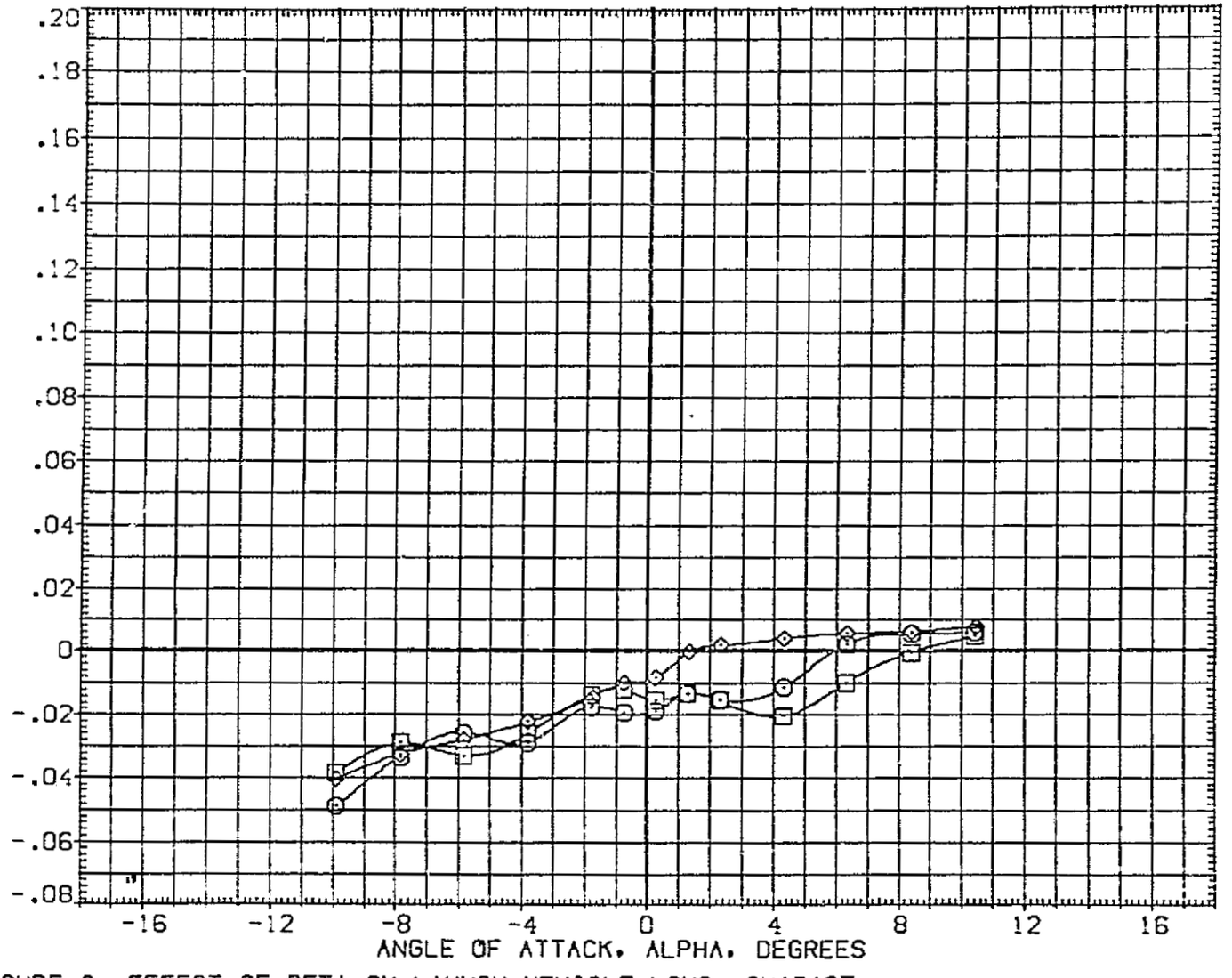


FIGURE 6 EFFECT OF BETA ON LAUNCH VEHICLE LONG. CHARACT.

(E)MACH = 4.60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
[B-8006]	○	UPWT 1088/1119 [IA-44] CONFIGURATION	02/T4/S7	-4.000
[B-8003]	□	UPWT 1088/1119 [IA-44] CONFIGURATION	02/T4/S7	.000
[B-8005]	◇	UPWT 1088/1119 [IA-44] CONFIGURATION	02/T4/S7	4.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

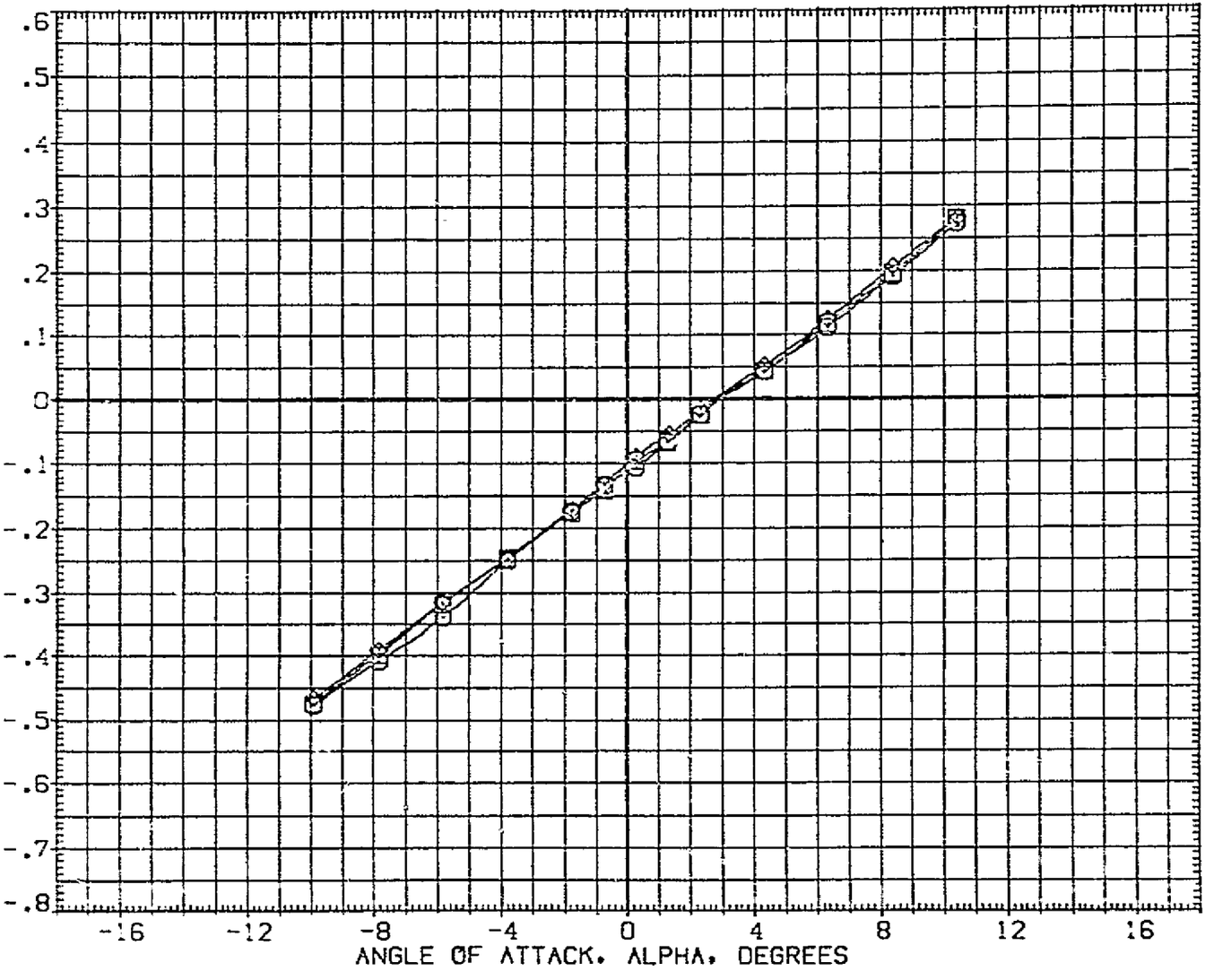


FIGURE 6 EFFECT OF BETA ON LAUNCH VEHICLE LONG. CHARACT.

(E)MACH = 4.60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8006)	○	LPVT 1038/1119 (IA-44) CONFIGURATION	02/T4/57	-4.000
(B-8003)	□	LPVT 1088/1119 (IA-44) CONFIGURATION	02/T4/57	.000
(B-8005)	◇	LPVT 1088/1119 (IA-44) CONFIGURATION	02/T4/57	4.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1293.3000	INCHES
BREF	1293.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.010	

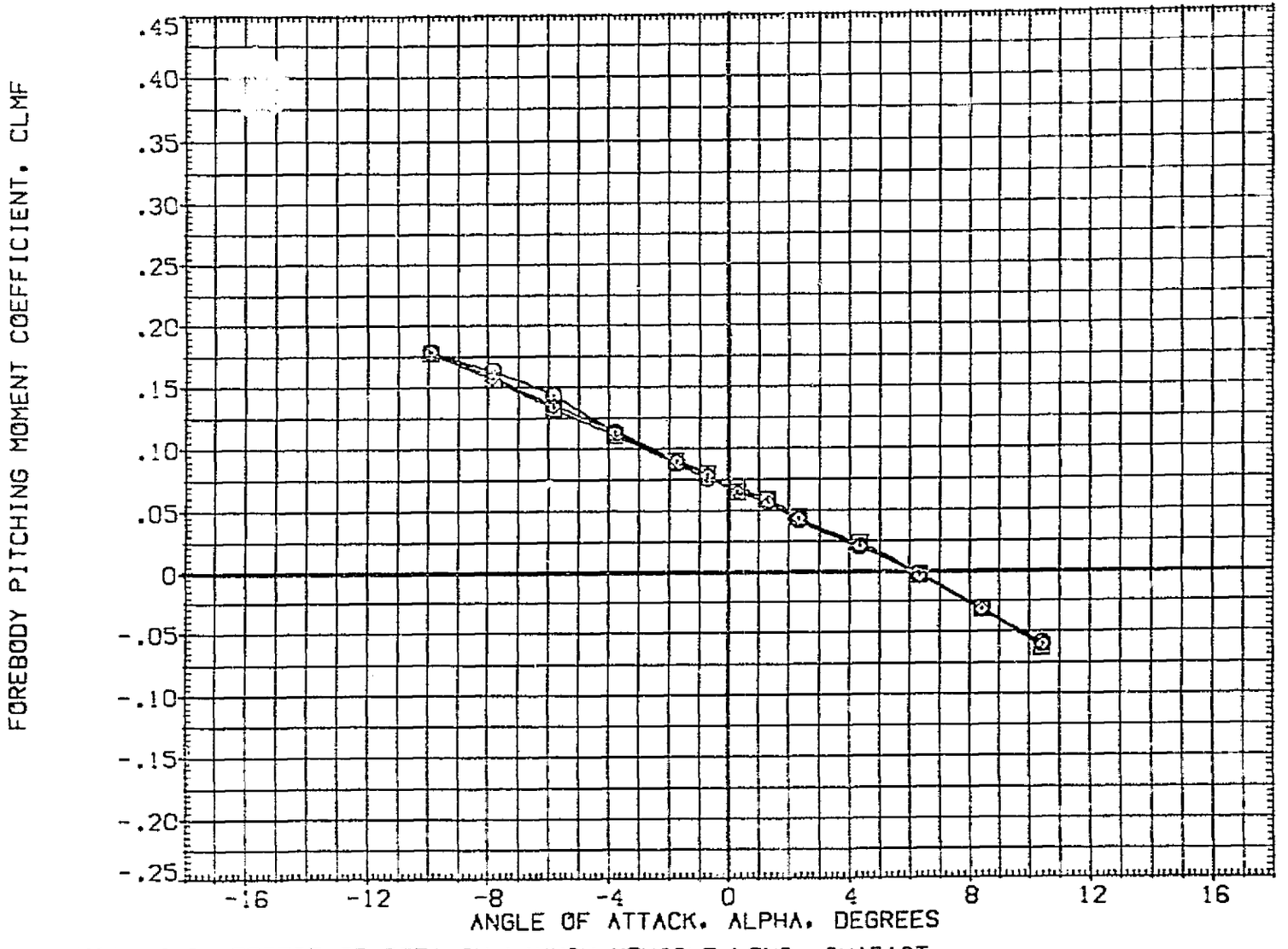


FIGURE 6 EFFECT OF BETA ON LAUNCH VEHICLE LONG. CHARACT.

(E)MACH = 4.60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8006)	○	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	-4.000
(B-8003)	□	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
(B-8005)	◇	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	4.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	403.0000	IN. ZT
SCALE	.0100	

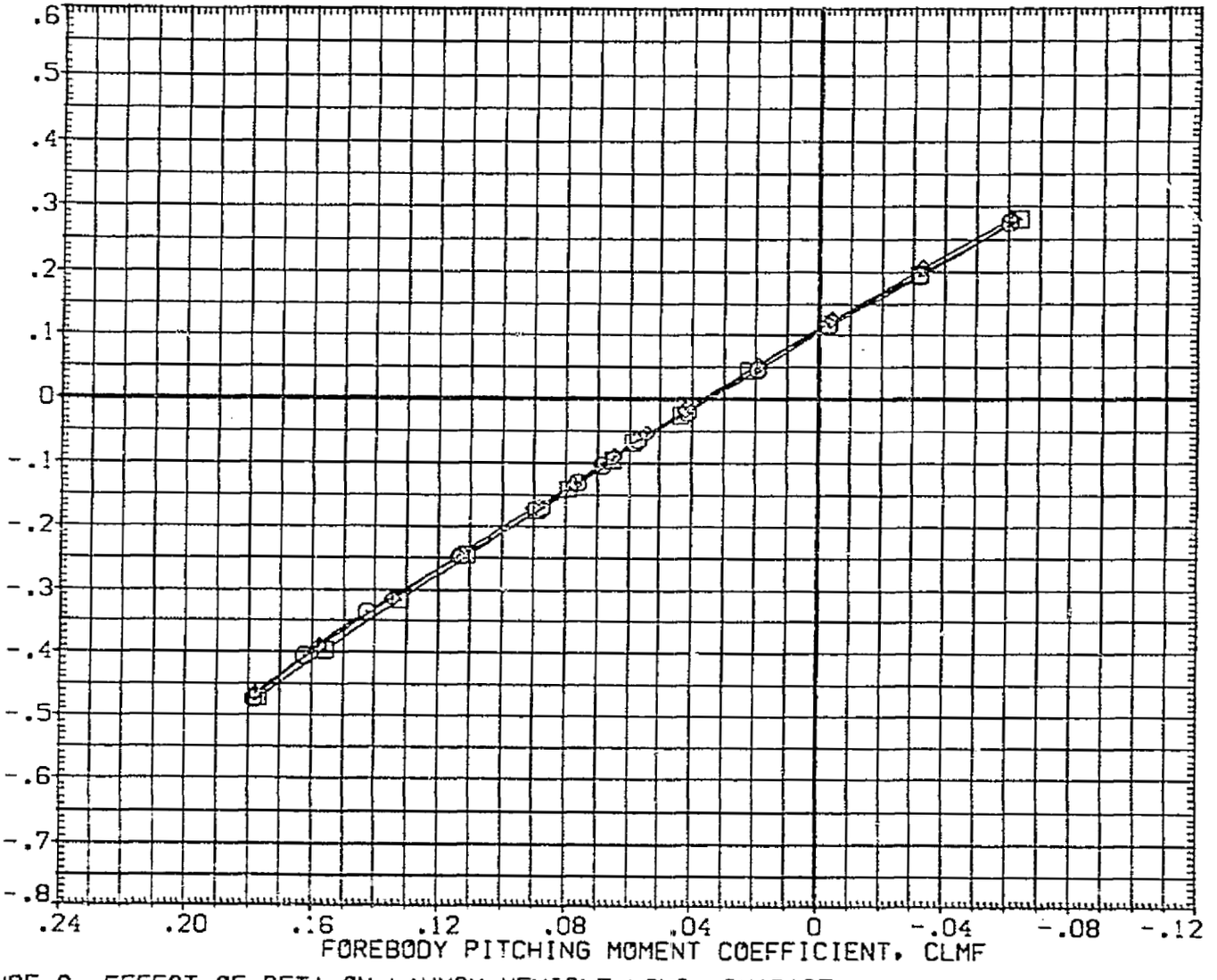


FIGURE 6 EFFECT OF BETA ON LAUNCH VEHICLE LONG. CHARACT.

(E)MACH = 4.60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8003)	◻	LPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
(B-8012)	◇	LPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S8	.000
(B-8013)	◇	LPWT 1088/1119 (IA-41) CONFIGURATION	03/T4/S7	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1260.3000	INCHES
BREF	1260.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

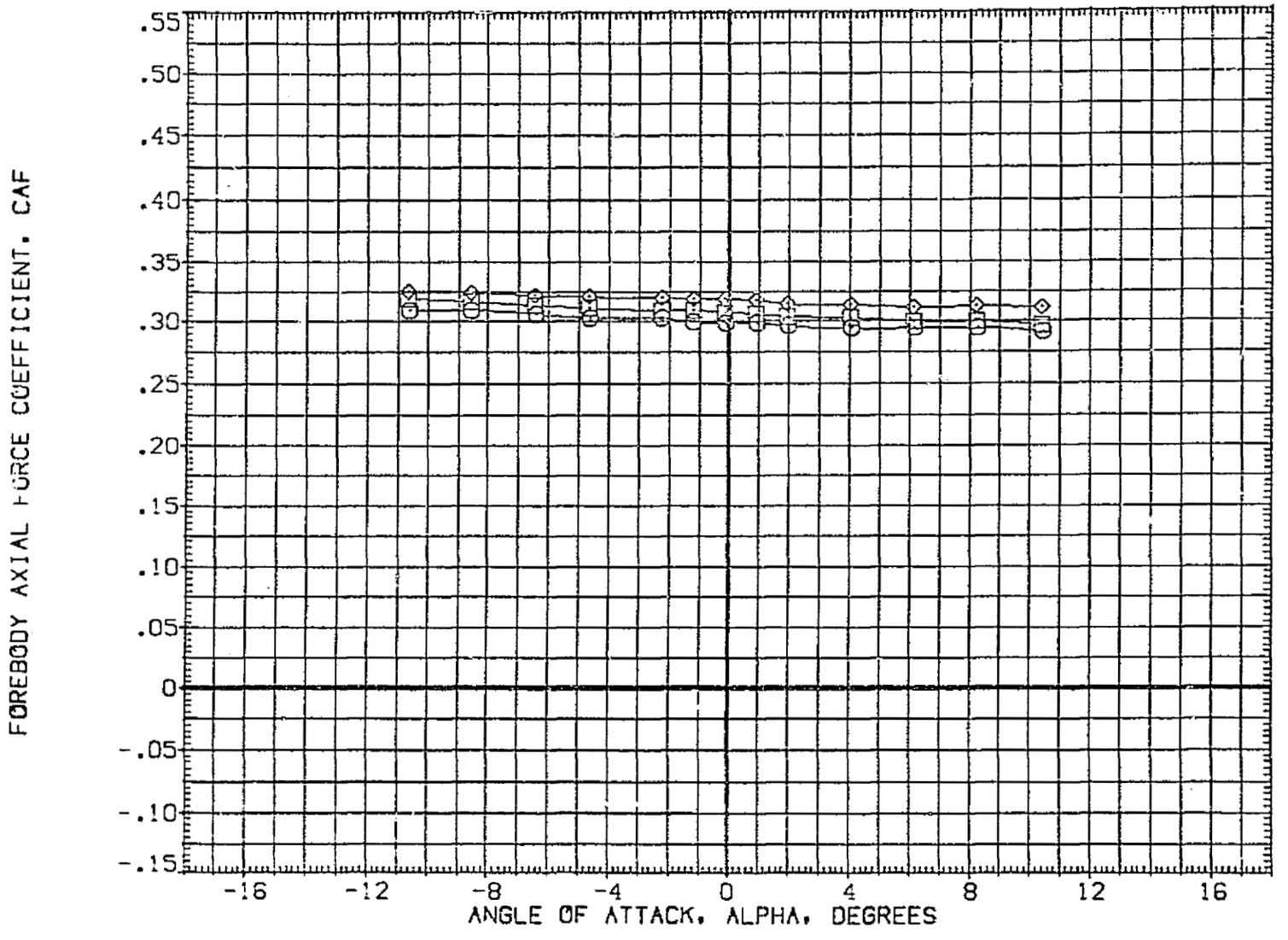


FIGURE 7 OMS POD AND SRB SKIRT EFFECT ON LAUNCH VEHICLE LONG. CHARACT.

(A)MACH = 1.60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8003)	○	LPWT 1088/1115 (IA-44) CONFIGURATION	02/T4/S7	.000
(B-8012)	□	LPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S8	.000
(B-8013)	◇	LPWT 1089/1119 (IA-44) CONFIGURATION	03/T4/S7	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

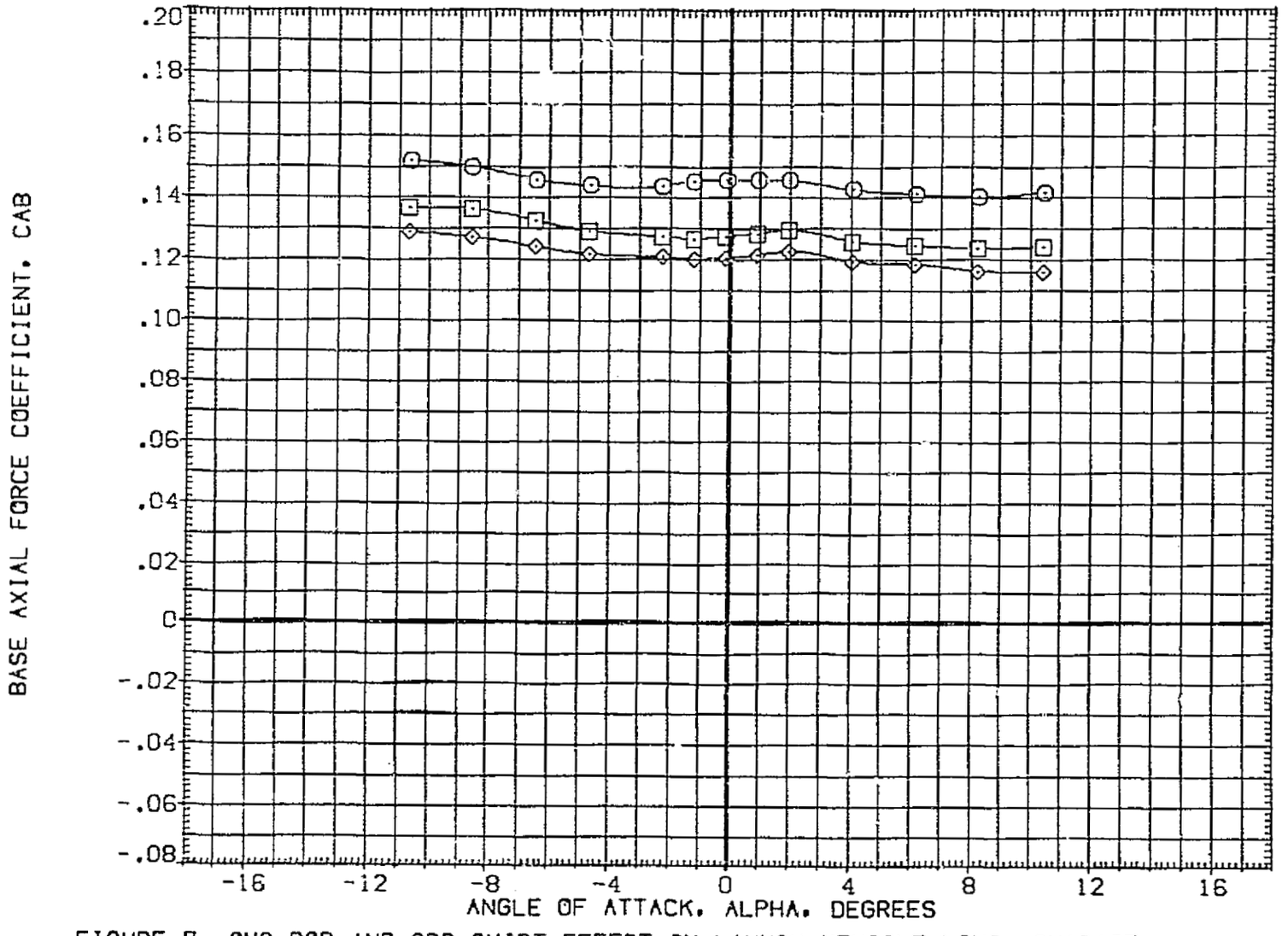


FIGURE 7 OMS POD AND SRB SKIRT EFFECT ON LAUNCH VEHICLE LONG. CHARACT.

(A)MACH = 1.60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8203)	□	SPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
(B-8012)	◇	SPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S8	.000
(B-8013)	◇	SPWT 1088/1119 (IA-44) CONFIGURATION	03/T4/S7	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

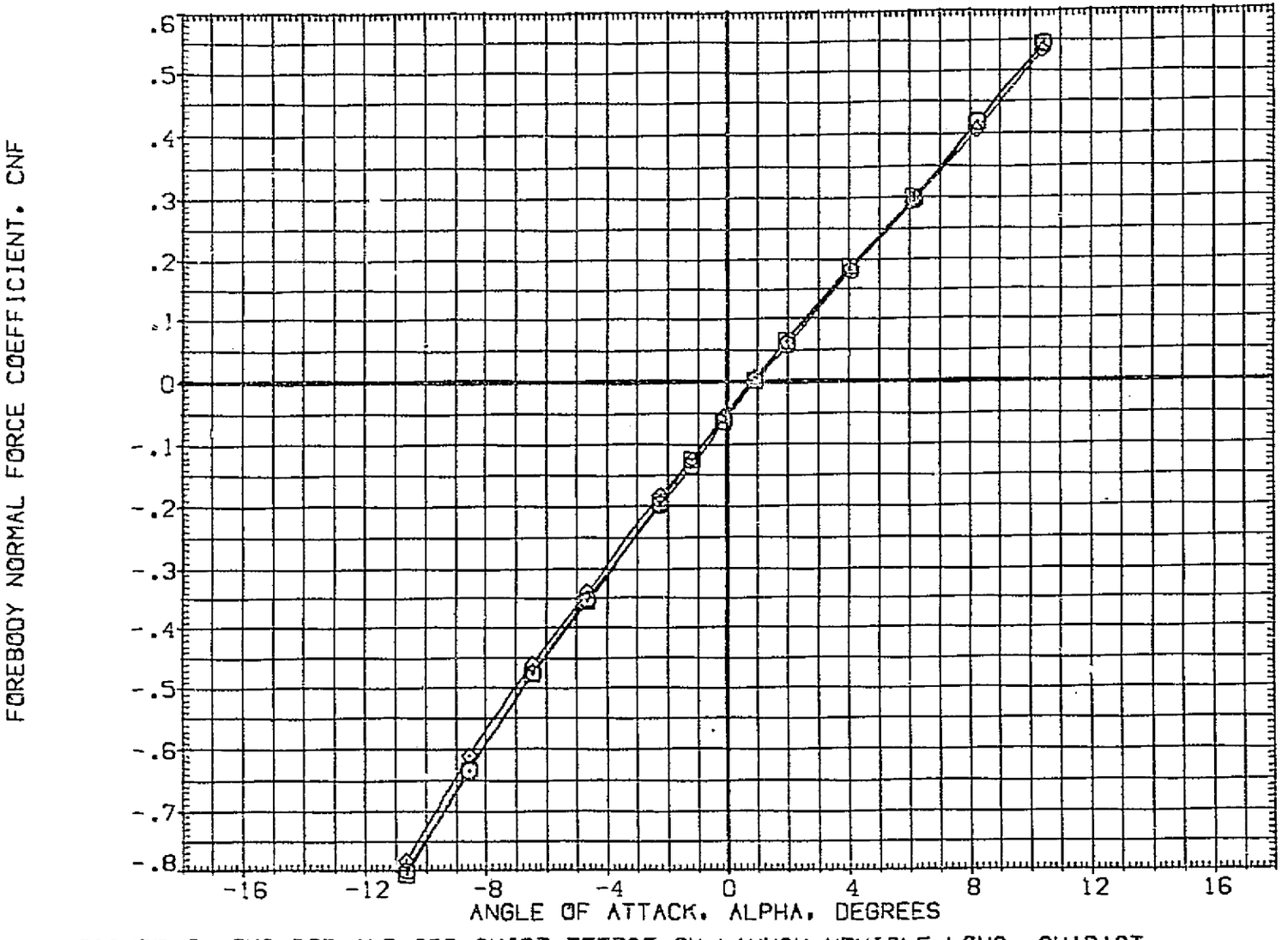


FIGURE 7 OMS POD AND SRB SKIRT EFFECT ON LAUNCH VEHICLE LONG. CHARACT.

(A)MACH = 1.60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8003)	○	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
(B-8012)	□	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S8	.000
(B-8013)	◇	UPWT 1088/1119 (IA-44) CONFIGURATION	03/T4/S7	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

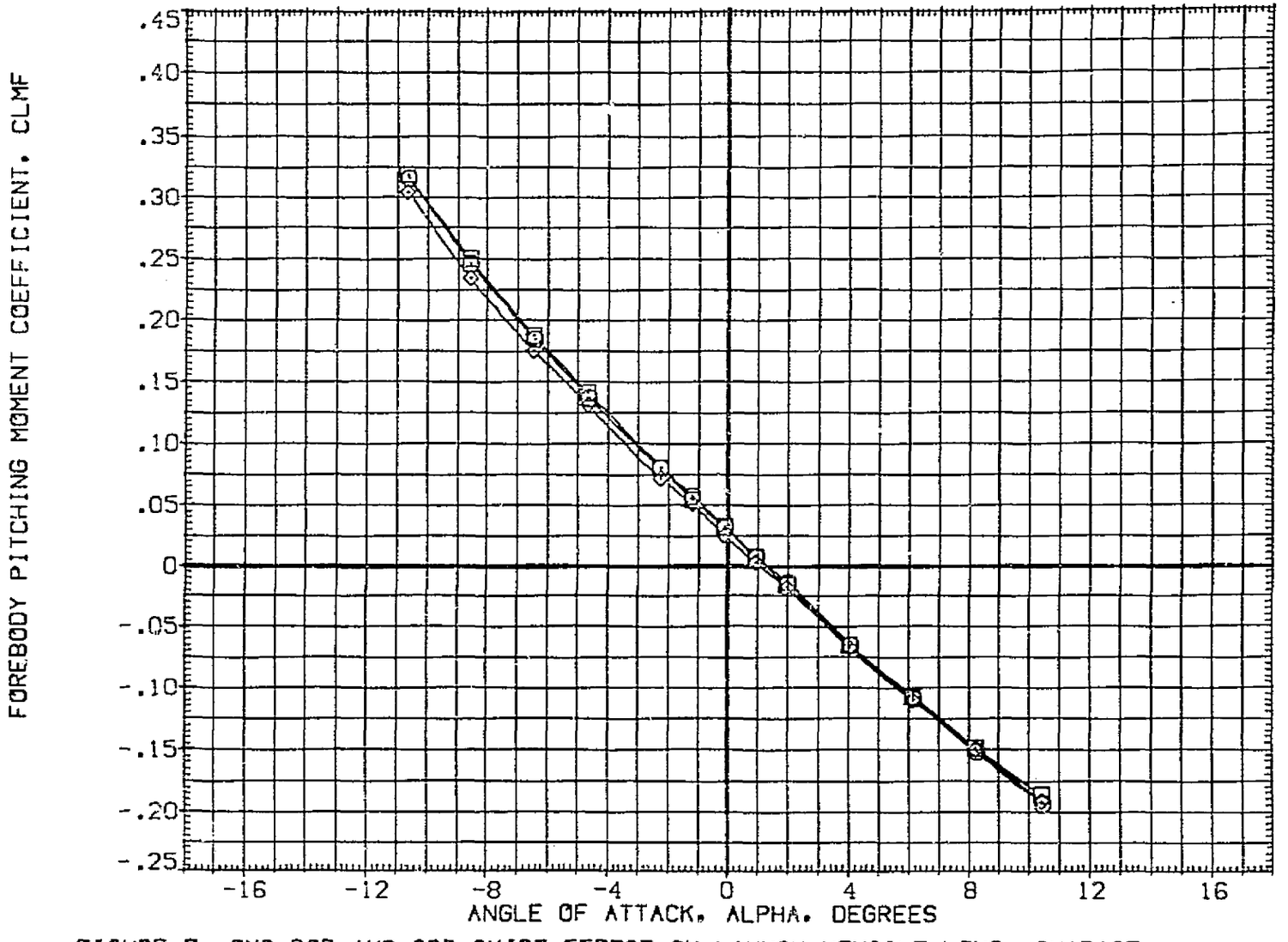


FIGURE 7 OMS POD AND SRB SKIRT EFFECT ON LAUNCH VEHICLE LONG. CHARACT.

(A)MACH = 1.60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8003)	□	LPWT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	.000
(B-8012)	◇	LPWT 1088/1119 (1A-44) CONFIGURATION	02/T4/S8	.000
(B-8013)	○	LPWT 1088/1119 (1A-44) CONFIGURATION	03/T4/S7	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1280.3000	INCHES
BREF	1280.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

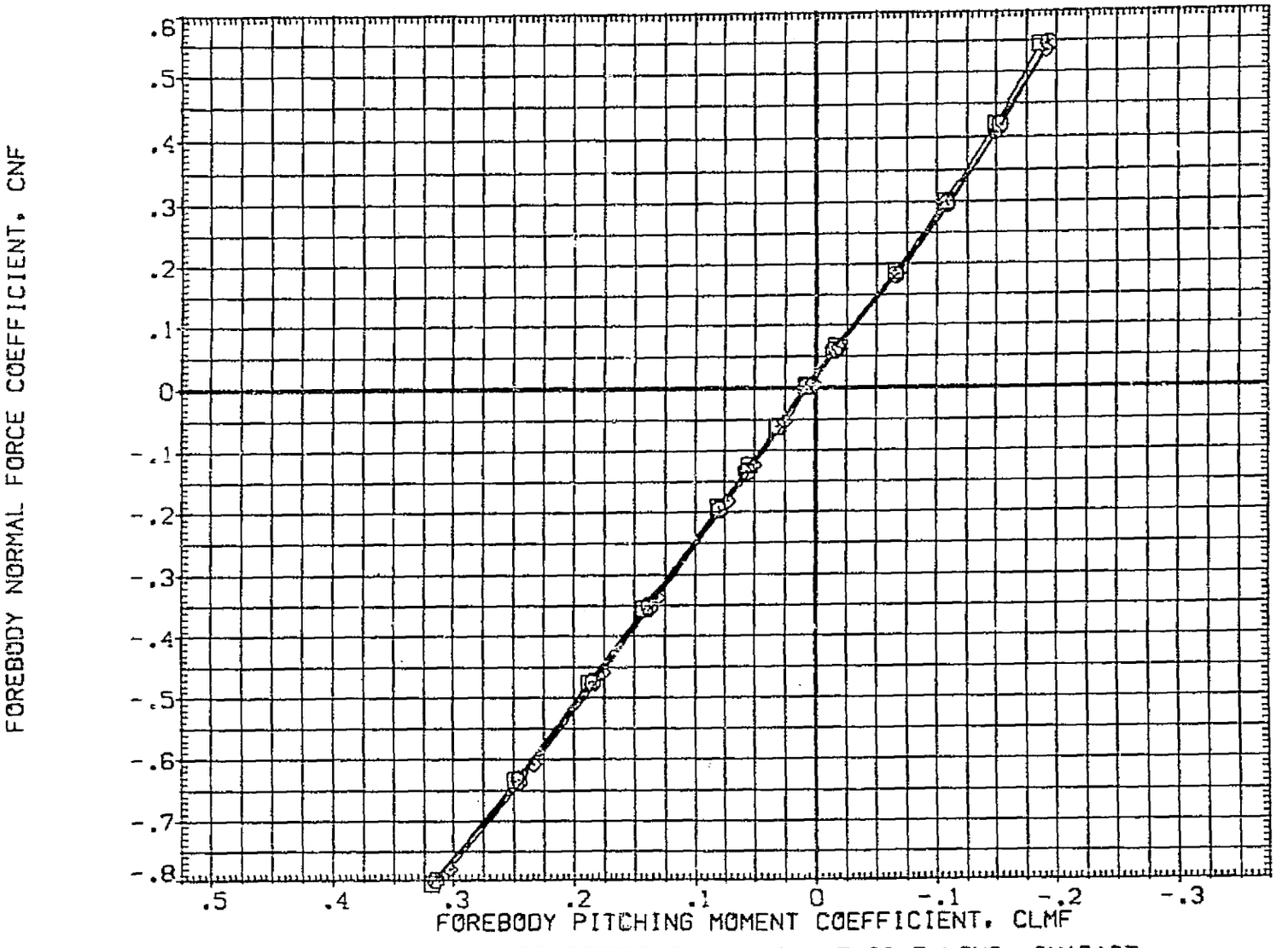


FIGURE 7 OMS POD AND SRB SKIRT EFFECT ON LAUNCH VEHICLE LONG. CHARACT.

(A)MACH = 1.60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8003)	□	VPVT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
(B-8012)	○	VPVT 1088/1119 (IA-44) CONFIGURATION	02/T4/S8	.000
(B-8013)	◇	VPVT 1088/1119 (IA-44) CONFIGURATION	03/T4/S7	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

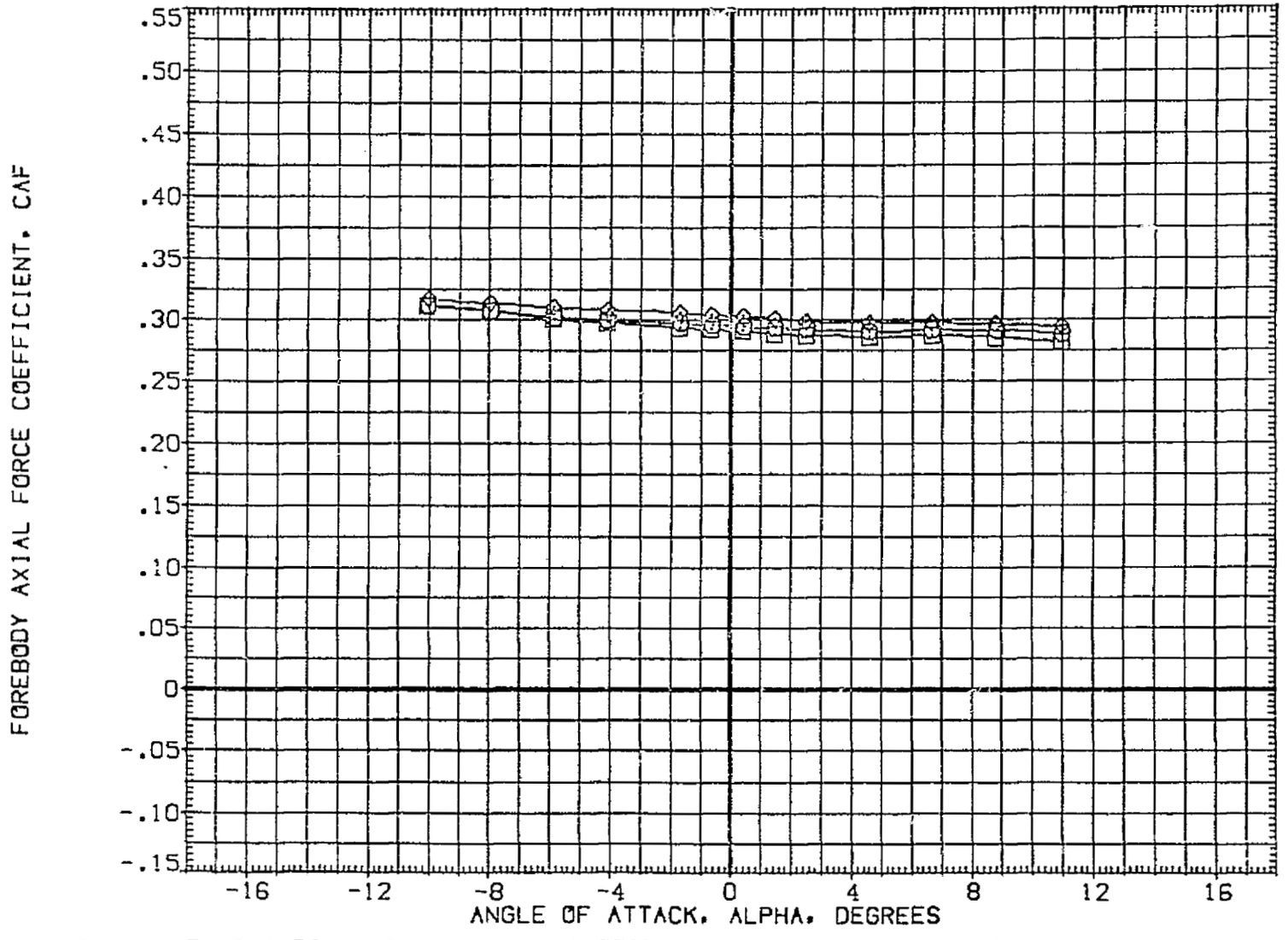


FIGURE 7 OMS POD AND SRB SKIRT EFFECT ON LAUNCH VEHICLE LONG. CHARACT.

(B)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8003)	□	LPVT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
(B-8012)	◇	LPVT 1088/1119 (IA-44) CONFIGURATION	02/T4/S8	.000
(B-8013)	◁	LPVT 1088/1119 (IA-44) CONFIGURATION	03/T4/S7	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

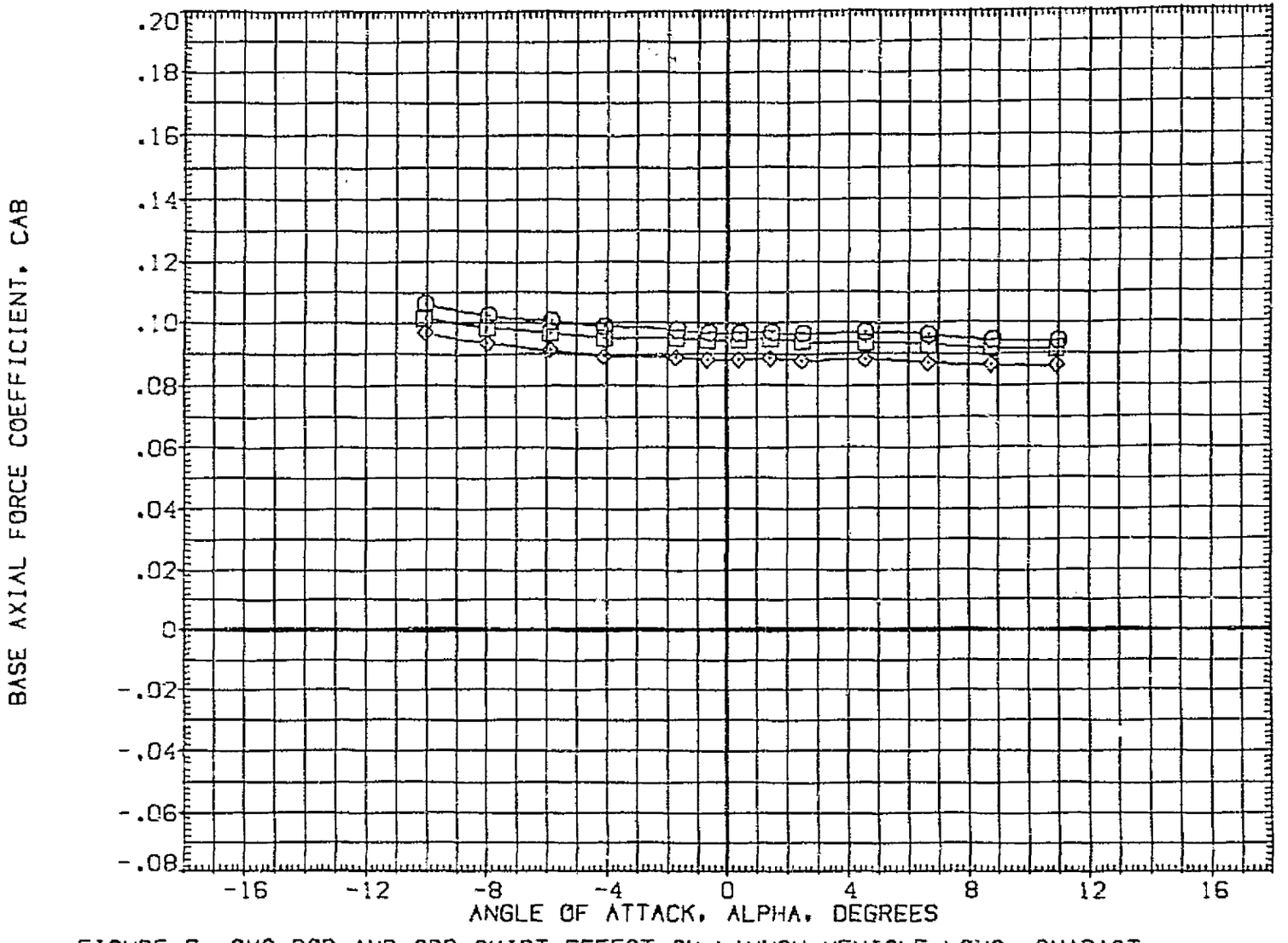


FIGURE 7 OMS POD AND SRB SKIRT EFFECT ON LAUNCH VEHICLE LONG. CHARACT.

(B)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8003)	○	LPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
(B-8012)	△	LPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S8	.000
(B-8013)	◇	LPWT 1088/1119 (IA-44) CONFIGURATION	03/T4/S7	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

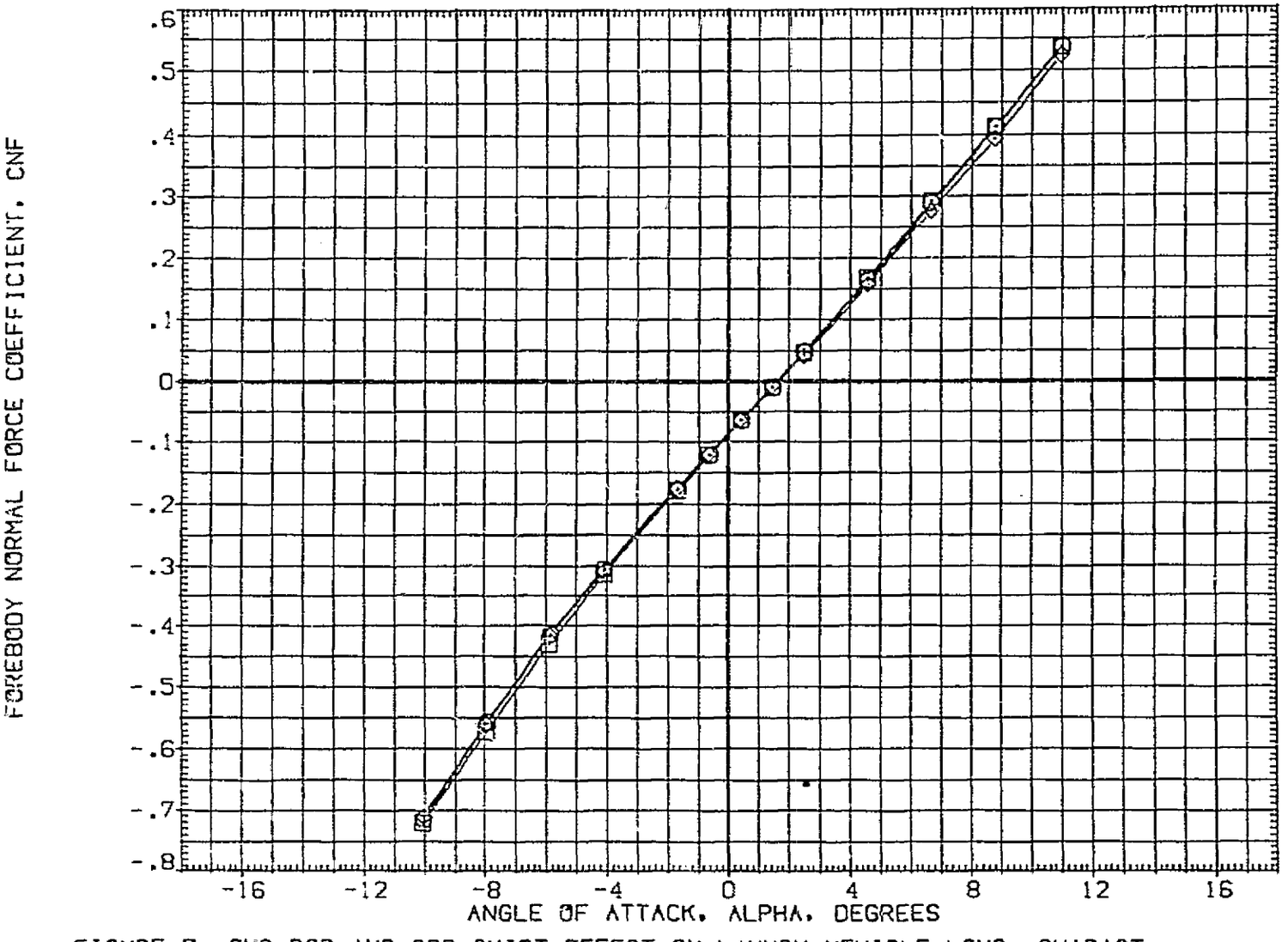


FIGURE 7 OMS POD AND SRB SKIRT EFFECT ON LAUNCH VEHICLE LONG. CHARACT.

(B)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8003)	○	LaRC 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
(B-8012)	□	LaRC 1088/1119 (IA-44) CONFIGURATION	02/T4/S8	.000
(B-8013)	◇	LaRC 1088/1119 (IA-44) CONFIGURATION	03/T4/S7	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	



FIGURE 7 OMS POD AND SRB SKIRT EFFECT ON LAUNCH VEHICLE LONG. CHARACT.

(B)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8003)	□	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
(B-8012)		UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S8	.000
(B-8013)	◇	UPWT 1088/1119 (IA-44) CONFIGURATION	03/T4/S7	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

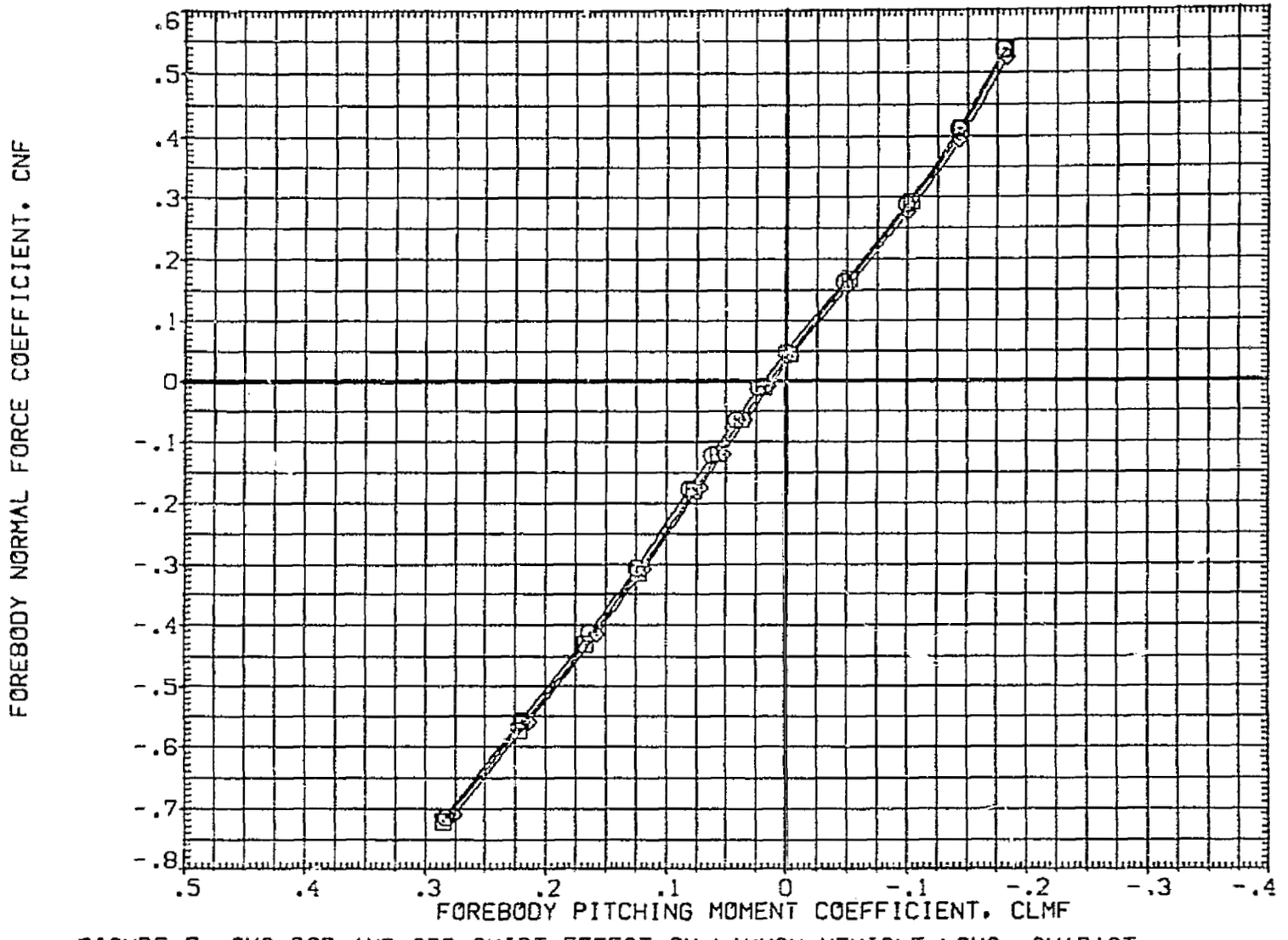


FIGURE 7 OMS POD AND SRB SKIRT EFFECT ON LAUNCH VEHICLE LONG. CHARACT.

(B)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8003)	□	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
(B-8012)		DATA NOT AVAILABLE		.000
(B-8013)	◇	UPWT 1088/1119 (IA-44) CONFIGURATION	03/T4/S7	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

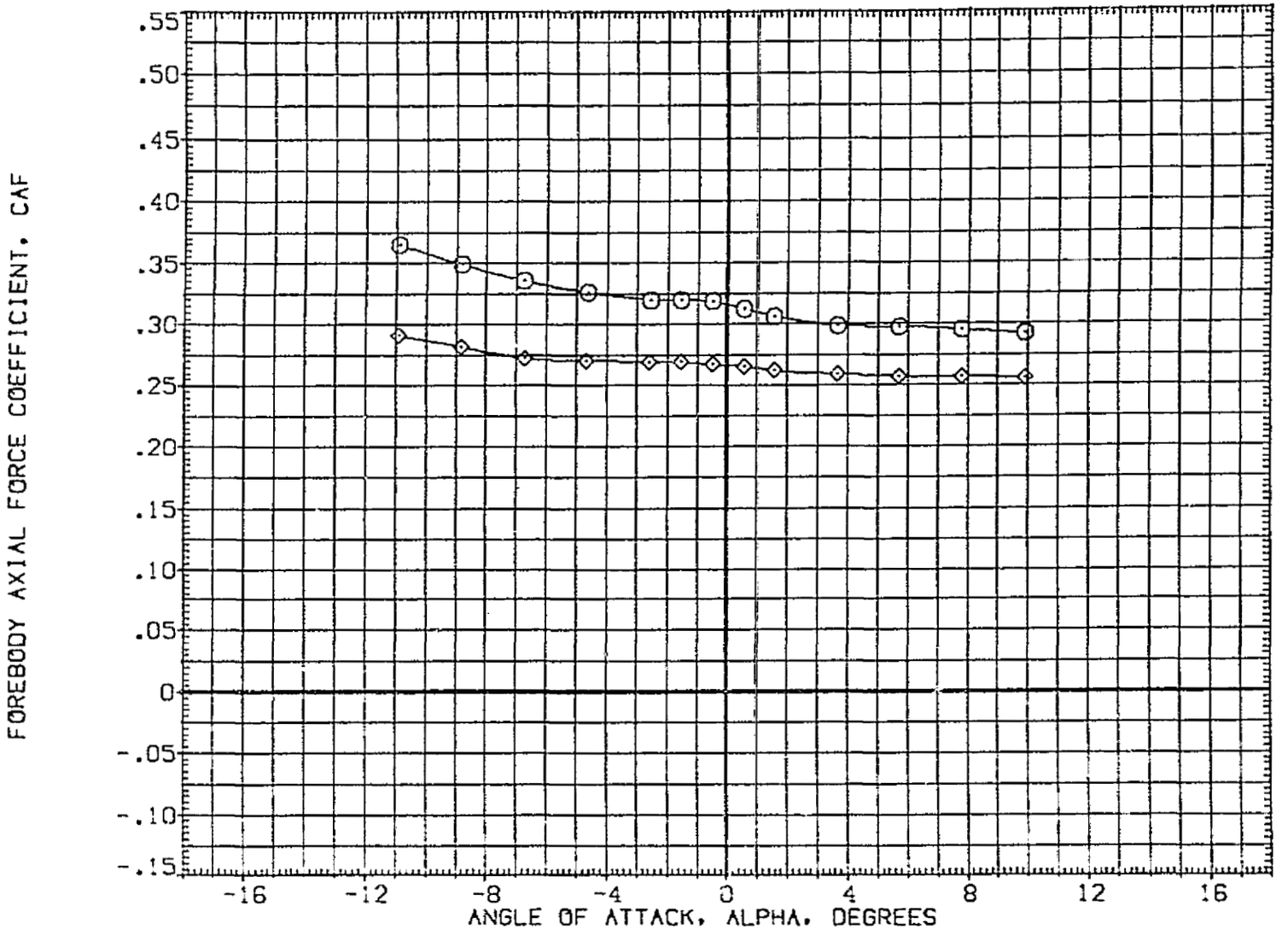


FIGURE 7 OMS POD AND SRB SKIRT EFFECT ON LAUNCH VEHICLE LONG. CHARACT.

(C)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8003)	□	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
(B-8012)		DATA NOT AVAILABLE		.000
(B-8013)	◇	UPWT 1088/1119 (IA-44) CONFIGURATION	03/T4/S7	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

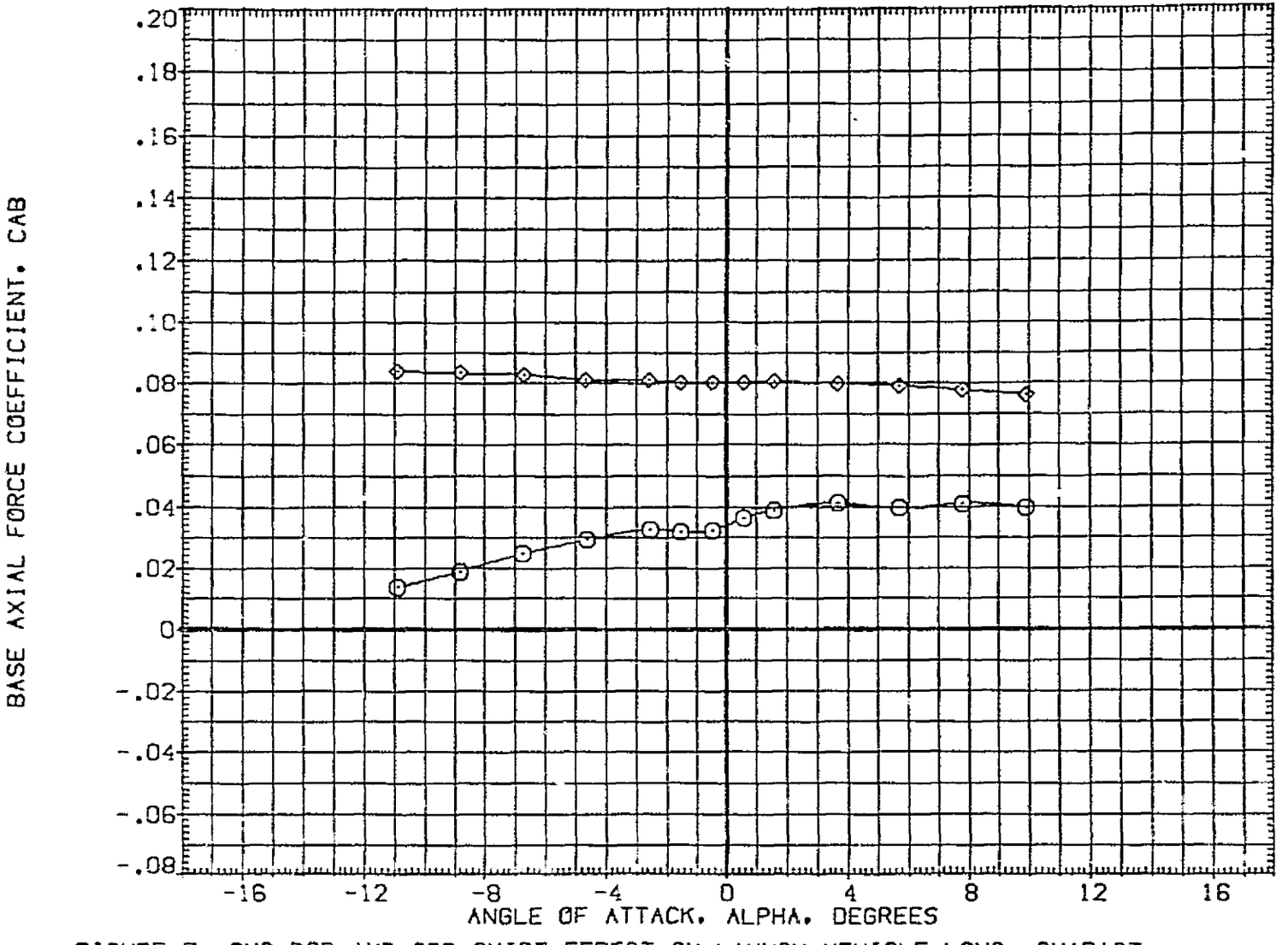


FIGURE 7 OMS POD AND SRB SKIRT EFFECT ON LAUNCH VEHICLE LONG. CHARACT.

(C)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8003)	○	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
(B-8012)		DATA NOT AVAILABLE		.000
(B-8013)	◇	UPWT 1088/1119 (IA-44) CONFIGURATION	03/T4/S7	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

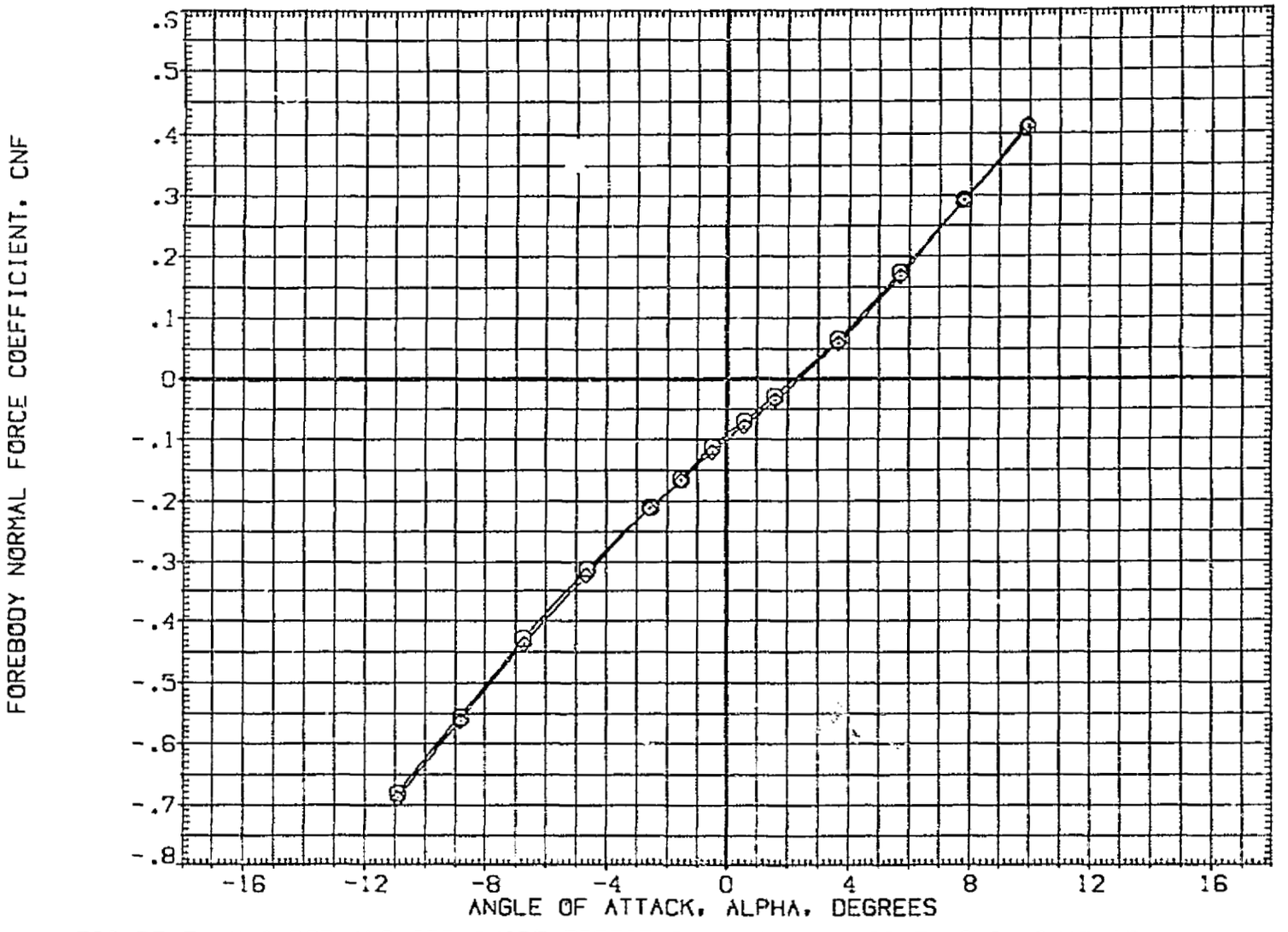


FIGURE 7 OMS POD AND SRB SKIRT EFFECT ON LAUNCH VEHICLE LONG. CHARACT.

(C)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8003)	○	UPVT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
(B-8012)		DATA NOT AVAILABLE		.000
(B-8013)	◇	UPVT 1088/1119 (IA-44) CONFIGURATION	03/T4/S7	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

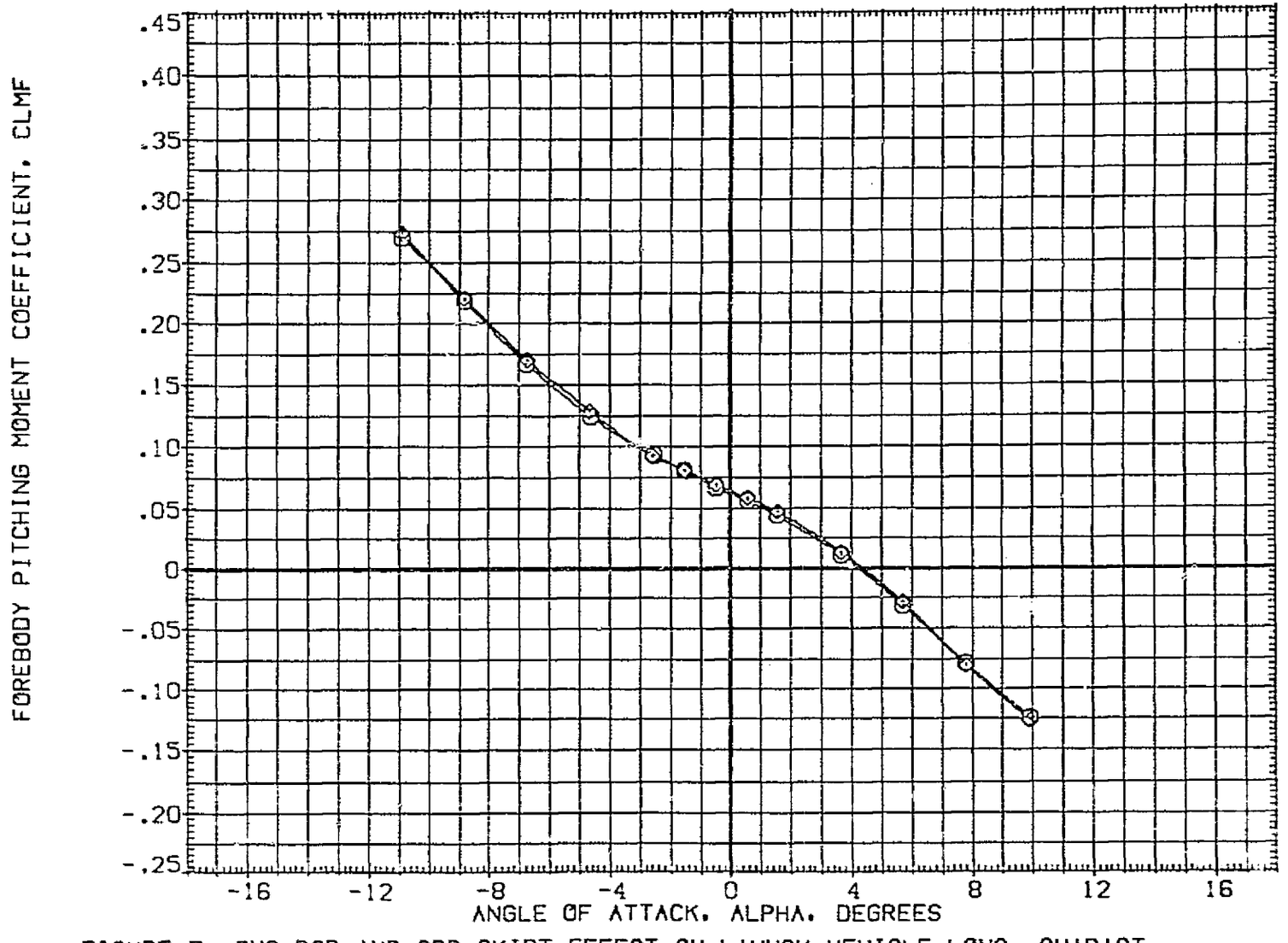


FIGURE 7 OMS POD AND SRB SKIRT EFFECT ON LAUNCH VEHICLE LONG. CHARACT.

(C)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8003)	○	LPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
(B-8012)		DATA NOT AVAILABLE		.000
(B-8013)	◇	LPWT 1088/1119 (IA-44) CONFIGURATION	03/T4/S7	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

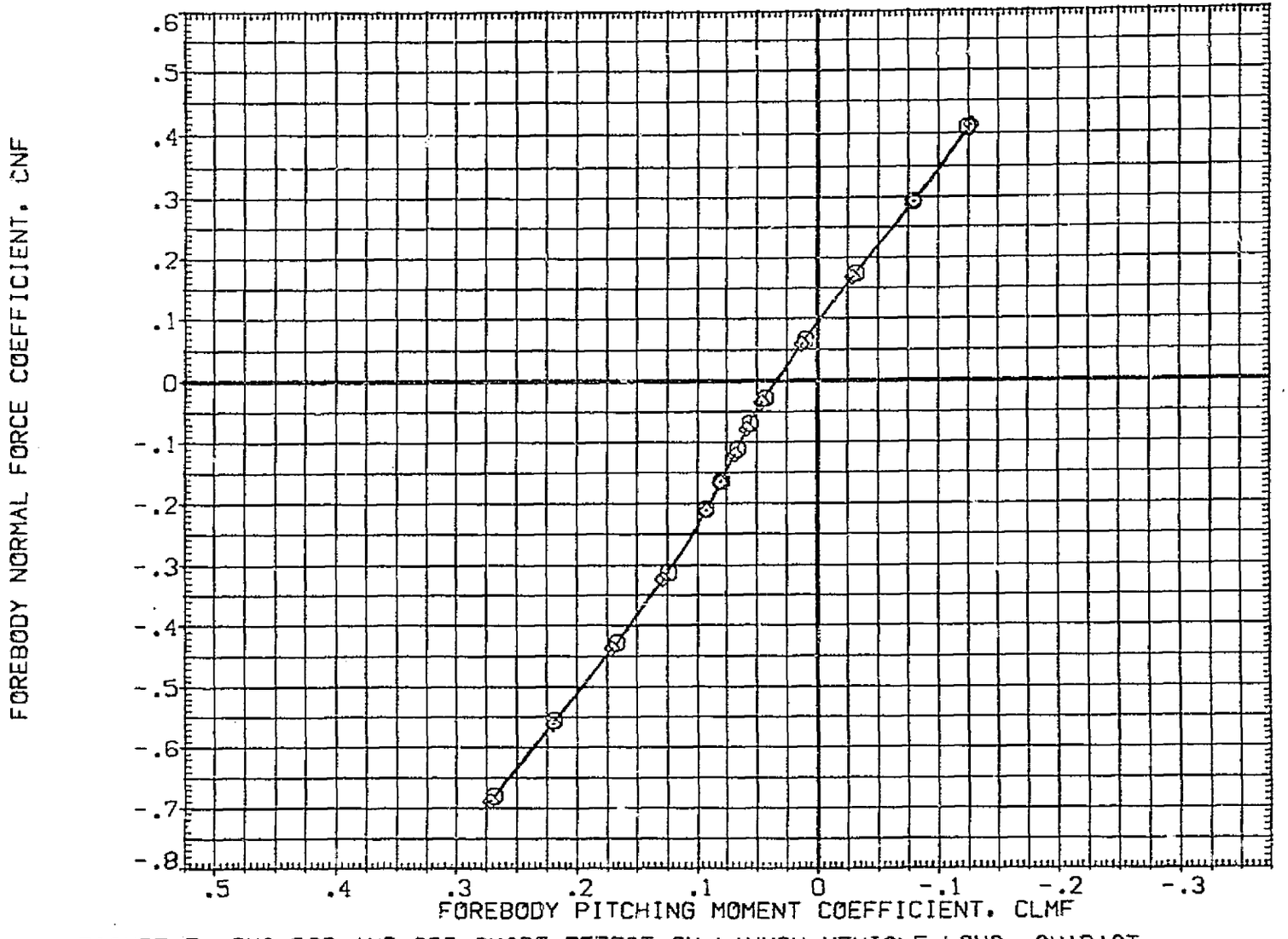


FIGURE 7 OMS POD AND SRB SKIRT EFFECT ON LAUNCH VEHICLE LONG. CHARACT.

(C)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8003)	○	UPVT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
(B-8012)		DATA NOT AVAILABLE		.000
(B-8013)	◇	UPVT 1088/1119 (IA-44) CONFIGURATION	03/T4/S7	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

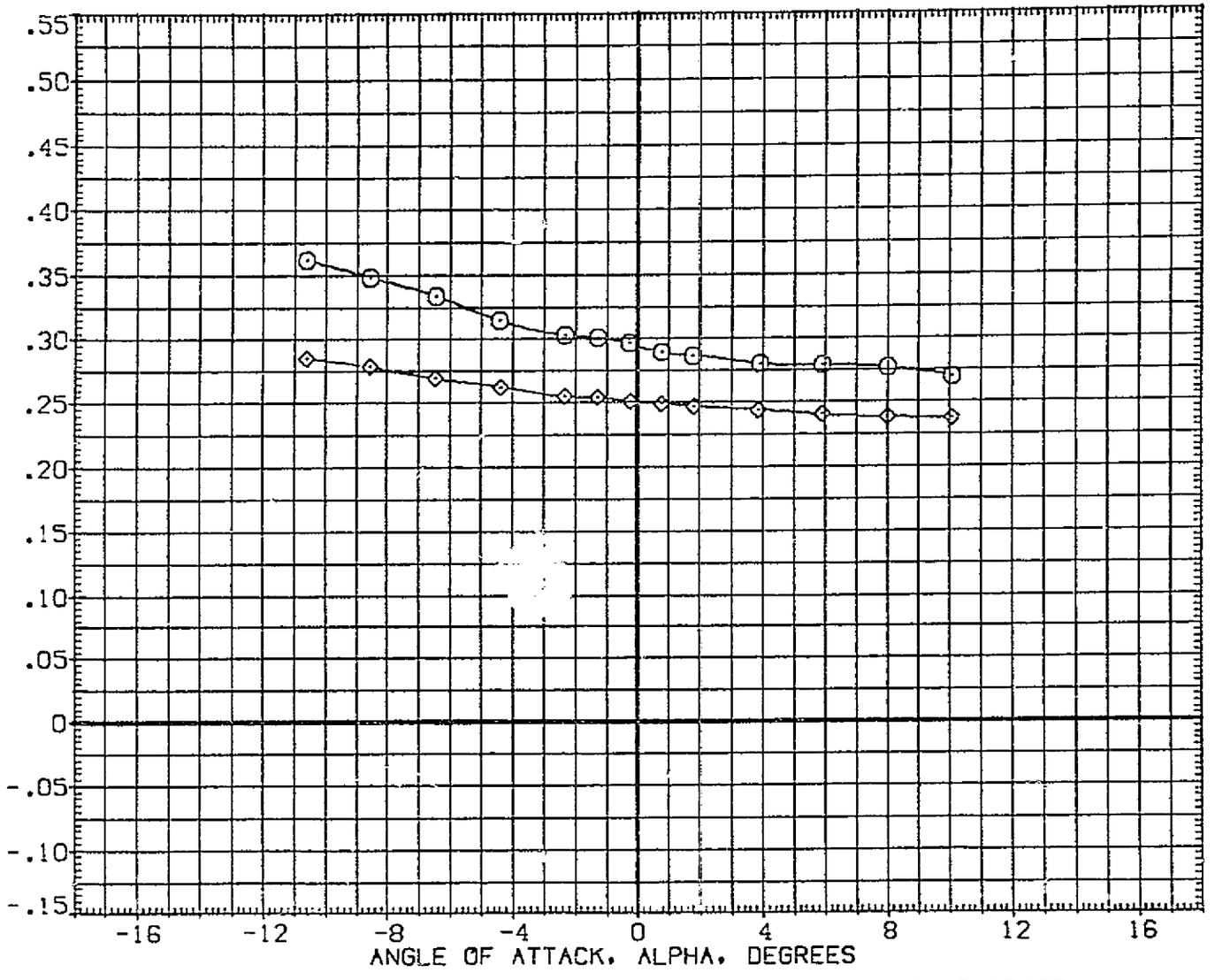


FIGURE 7 OMS POD AND SRB SKIRT EFFECT ON LAUNCH VEHICLE LONG. CHARACT.

(D)MACH = 2.86

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8003)	□	UPVT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
(B-8012)	◇	DATA NOT AVAILABLE		.000
(B-8013)	◇	UPVT 1088/1119 (IA-44) CONFIGURATION	03/T4/S7	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

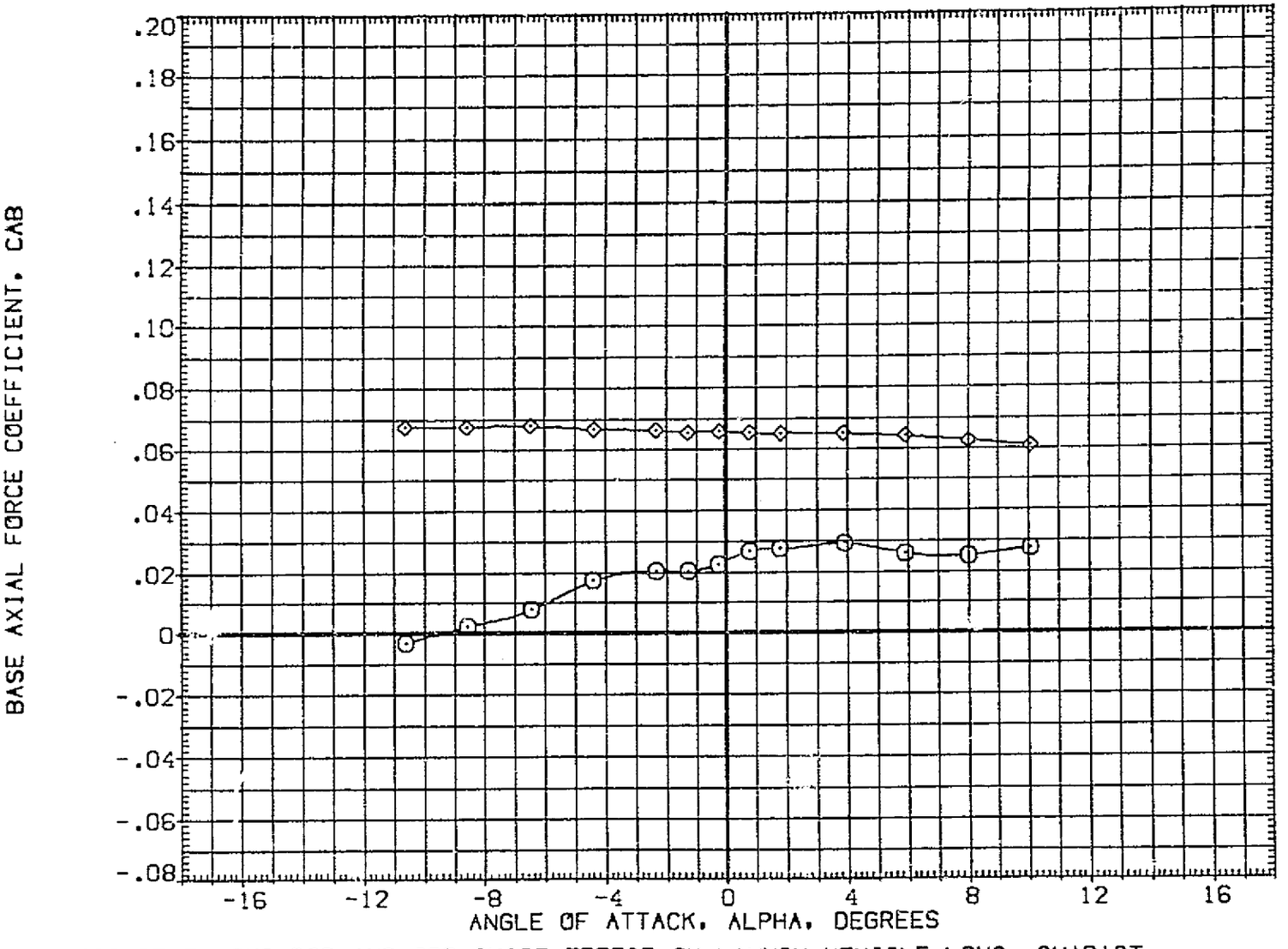


FIGURE 7 OMS POD AND SRB SKIRT EFFECT ON LAUNCH VEHICLE LONG. CHARACT.

(D) MACH = 2.86

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8003)	○	OPT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	.000
(B-8012)		DATA NOT AVAILABLE		.000
(B-8013)	◇	OPT 1088/1119 (1A-44) CONFIGURATION	03/T4/S7	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1280.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

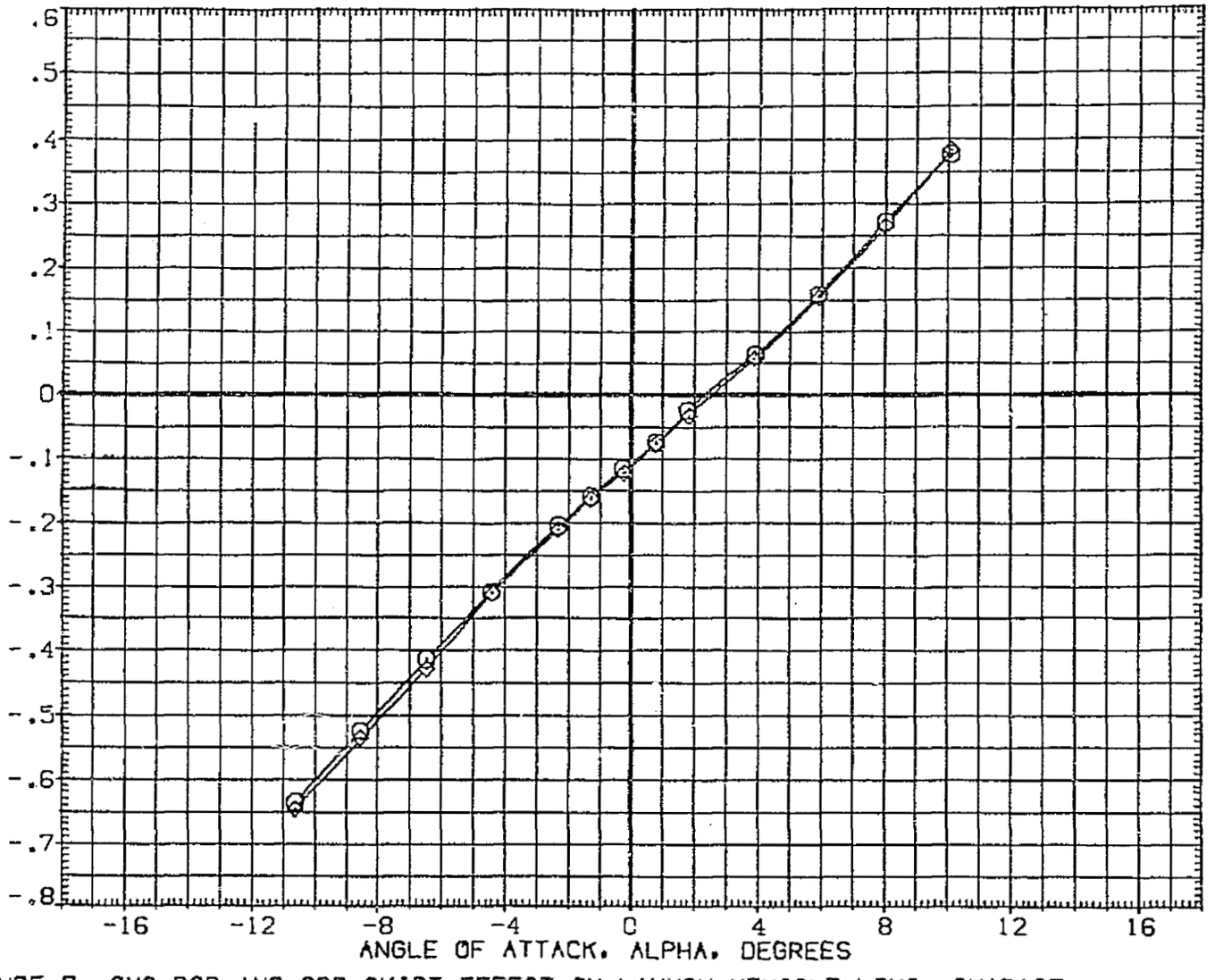


FIGURE 7 OMS POD AND SRB SKIRT EFFECT ON LAUNCH VEHICLE LONG. CHARACT.

(D)MACH = 2.86

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
[B-8003]	□	UPVT 1088/1119 [IA-44] CONFIGURATION	D2/T4/S7	.000
[B-8012]		DATA NOT AVAILABLE		.000
[B-8013]	◇	UPVT 1088/1119 [IA-44] CONFIGURATION	D3/T4/S7	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1280.3000	INCHES
BREF	1280.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

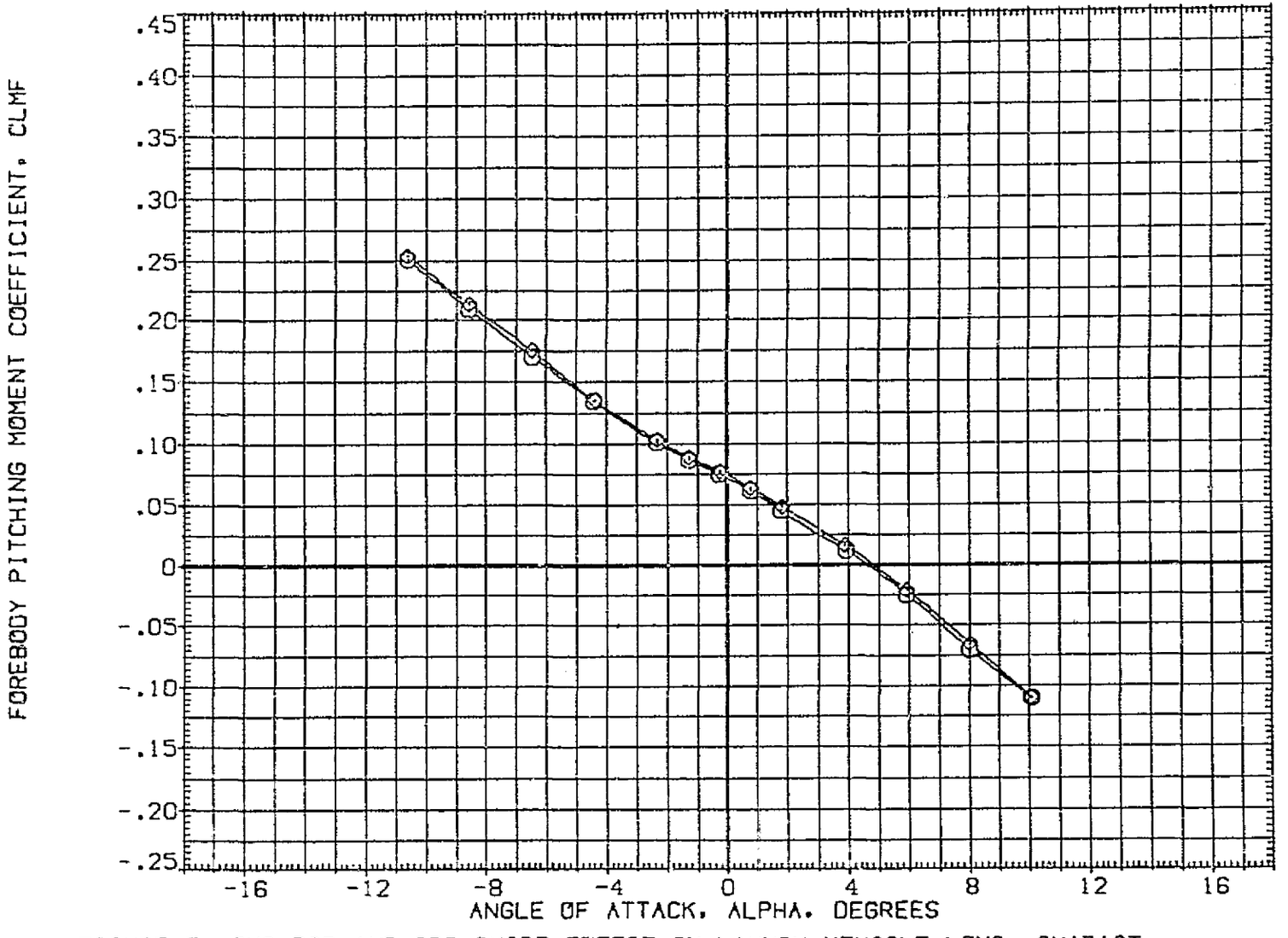


FIGURE 7 OMS POD AND SRB SKIRT EFFECT ON LAUNCH VEHICLE LONG. CHARACT.

(D)MACH = 2.86

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8003)	□	UPVT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	.000
(B-8012)		DATA NOT AVAILABLE		.000
(B-8013)	◇	UPVT 1088/1119 (1A-44) CONFIGURATION	03/T4/S7	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

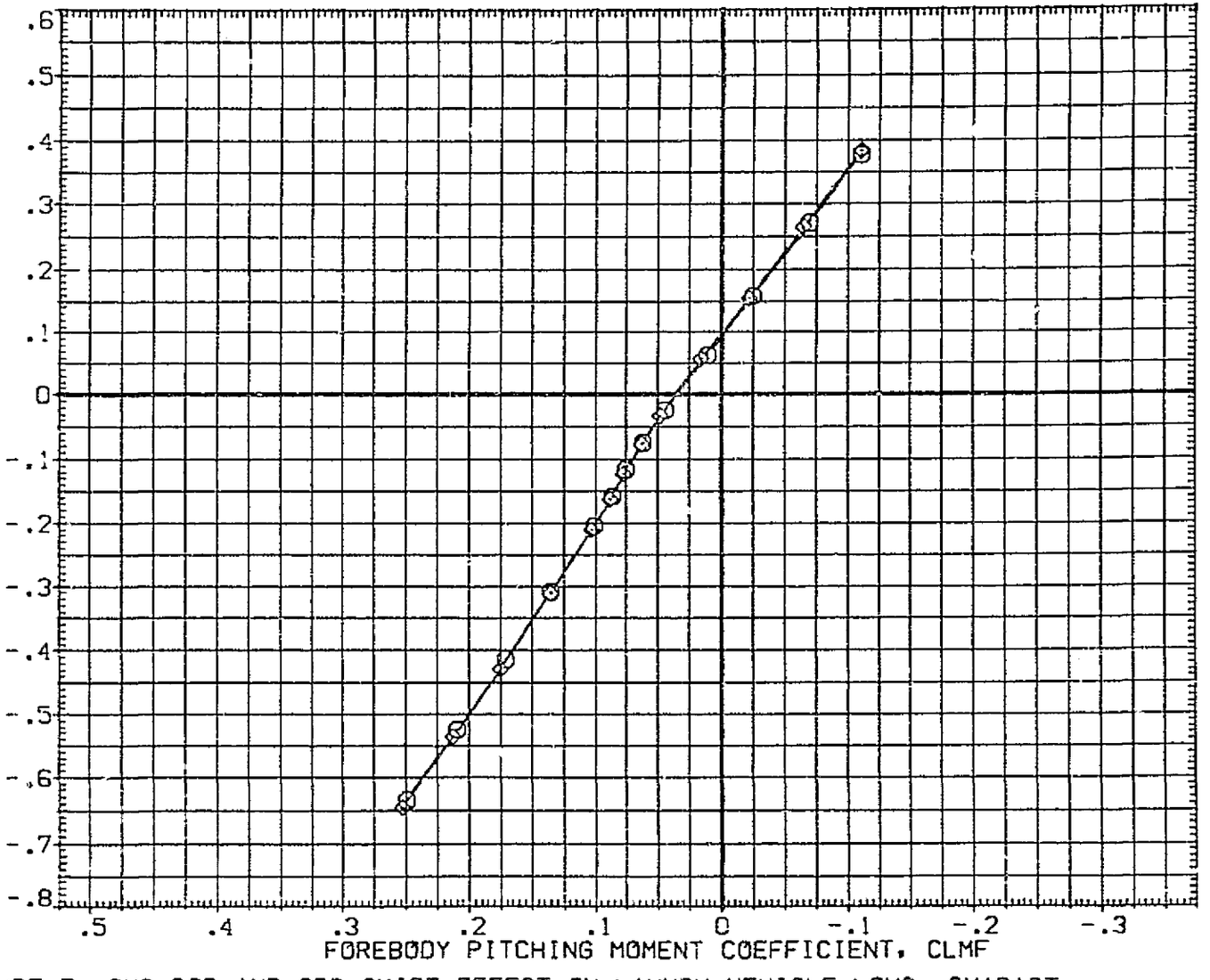


FIGURE 7 OMS POD AND SRB SKIRT EFFECT ON LAUNCH VEHICLE LONG. CHARACT.

(□)MACH = 2.86

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(9-6003)	◇	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
(9-8012)		UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S8	.000
(9-8013)		UPWT 1088/1119 (IA-44) CONFIGURATION	03/T4/S7	.000

REFERENCE INFORMATION

SREF	2680.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

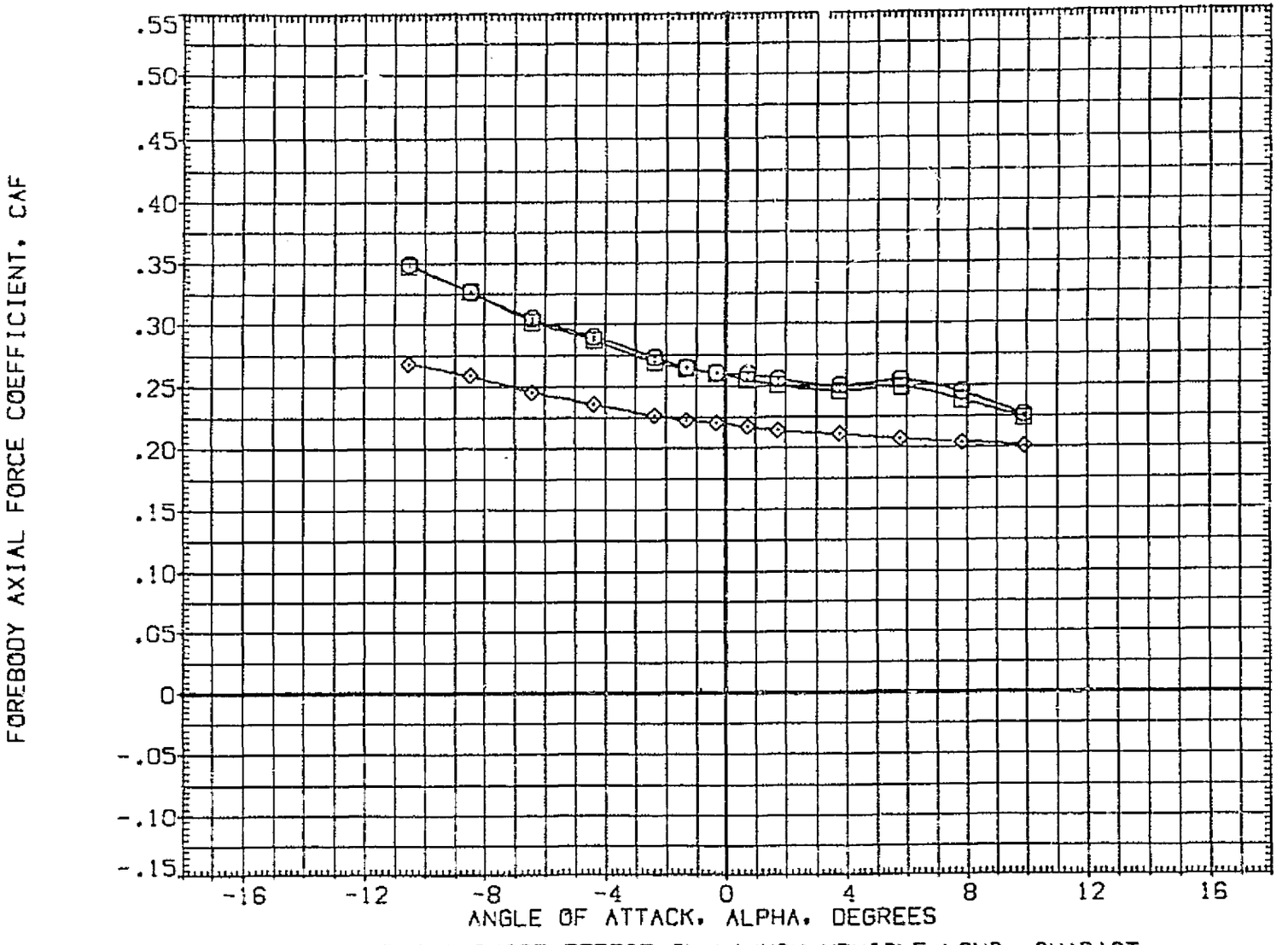


FIGURE 7 OMS POD AND SRB SKIRT EFFECT ON LAUNCH VEHICLE LONG. CHARACT.

(E)MACH = 3.90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(BH8003)	□	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
(BH8012)	◇	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S8	.000
(BH8013)	△	UPWT 1088/1119 (IA-44) CONFIGURATION	03/T4/S7	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

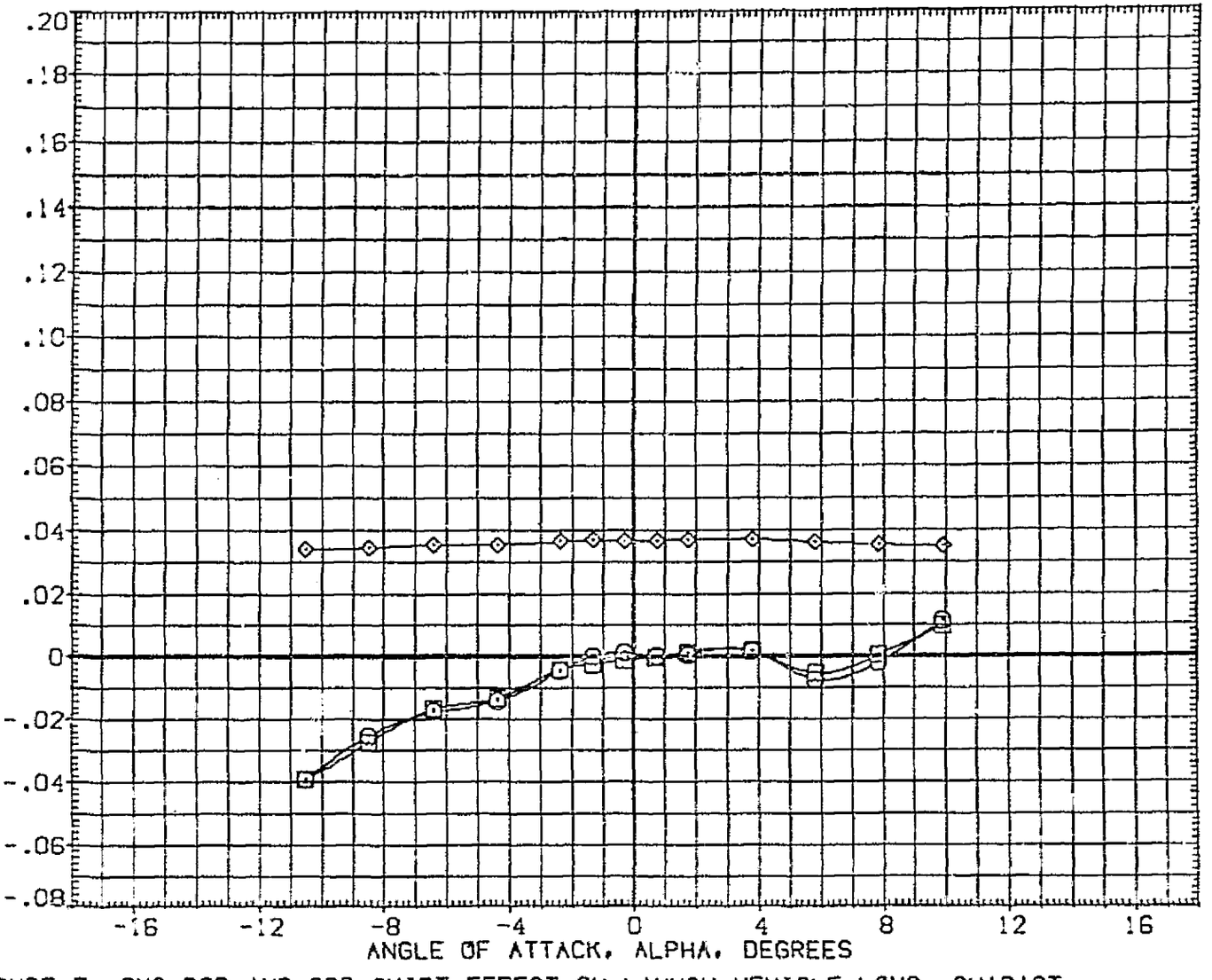


FIGURE 7 OMS POD AND SRB SKIRT EFFECT ON LAUNCH VEHICLE LONG. CHARACT.

(E)MACH = 3.90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8003)	□	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
(B-8012)		UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S8	.000
(B-8013)	◇	UPWT 1088/1119 (IA-44) CONFIGURATION	03/T4/S7	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1280.3000	INCHES
BREF	1280.3000	INCHES
XMRP	576.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

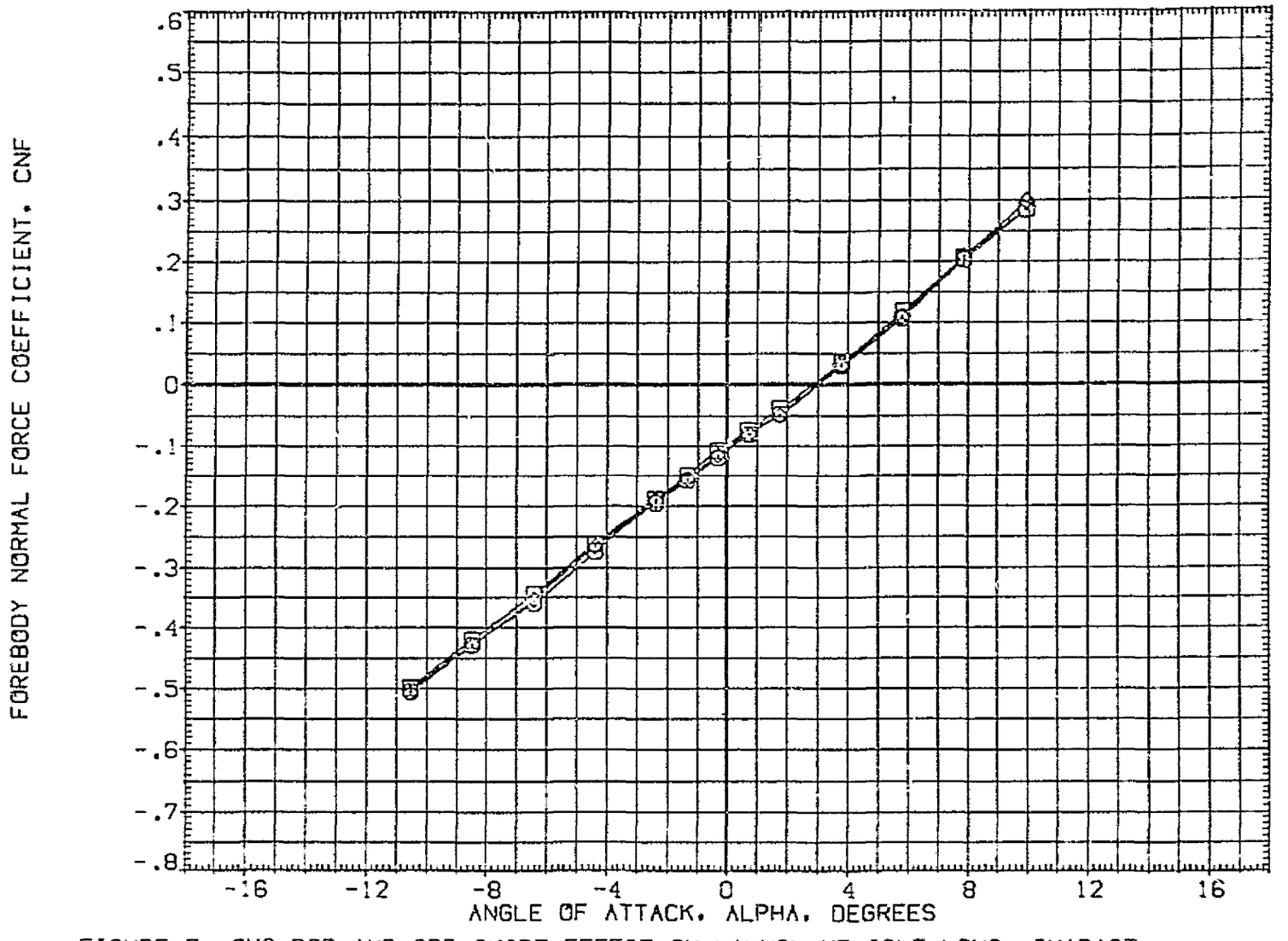


FIGURE 7 OMS POD AND SRB SKIRT EFFECT ON LAUNCH VEHICLE LONG. CHARACT.

(E)MACH = 3.90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-6003)	□	LPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
(B-6012)	◇	LPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S8	.000
(B-6013)	○	LPWT 1088/1119 (IA-44) CONFIGURATION	03/T4/S7	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

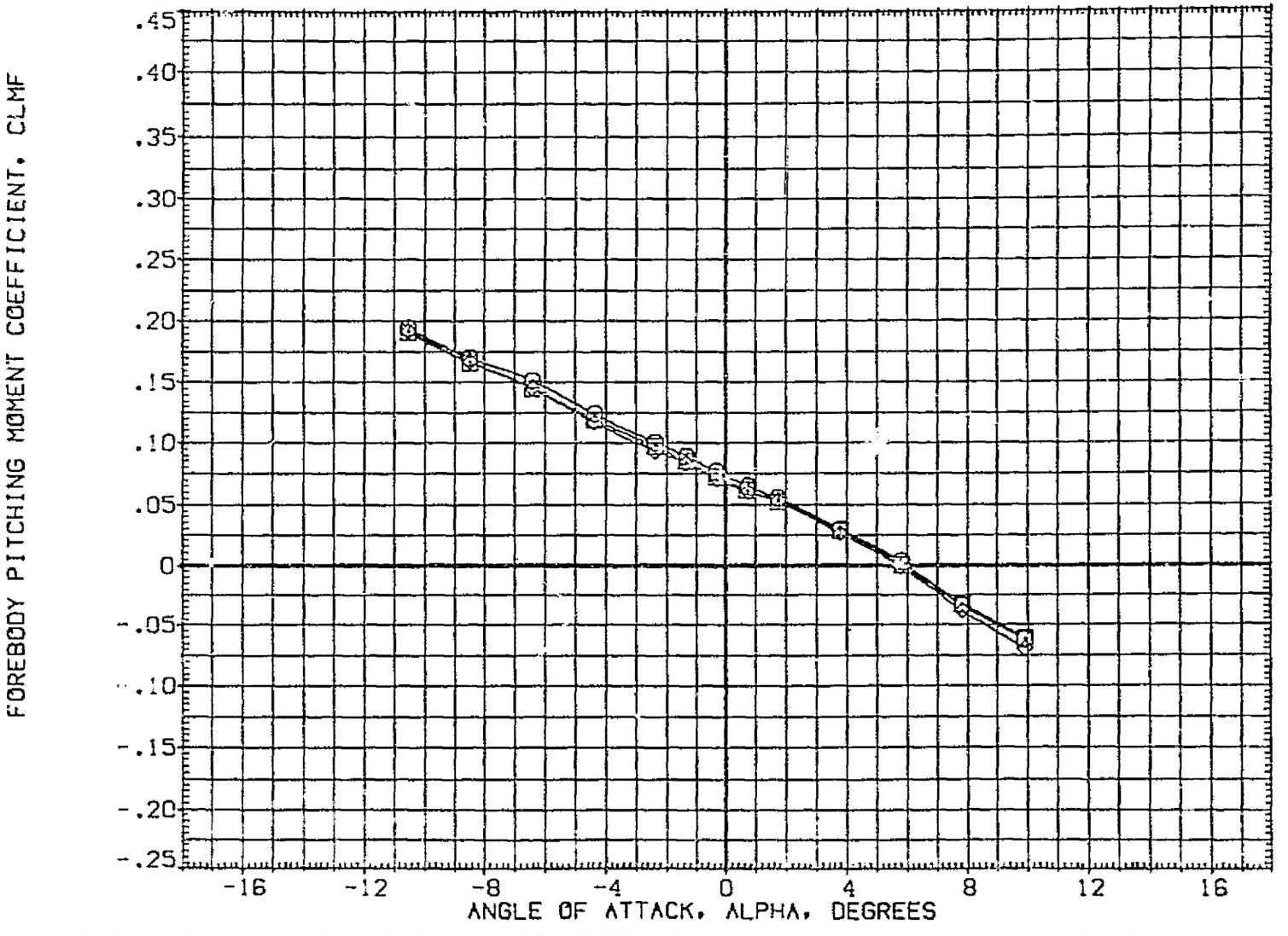


FIGURE 7 OMS POD AND SRB SKIRT EFFECT ON LAUNCH VEHICLE LONG. CHARACT.

(E)MACH = 3.90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8003)	□	LPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
(B-8012)	○	LPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S8	.000
(B-8013)	◇	LPWT 1088/1119 (IA-44) CONFIGURATION	03/T4/S7	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

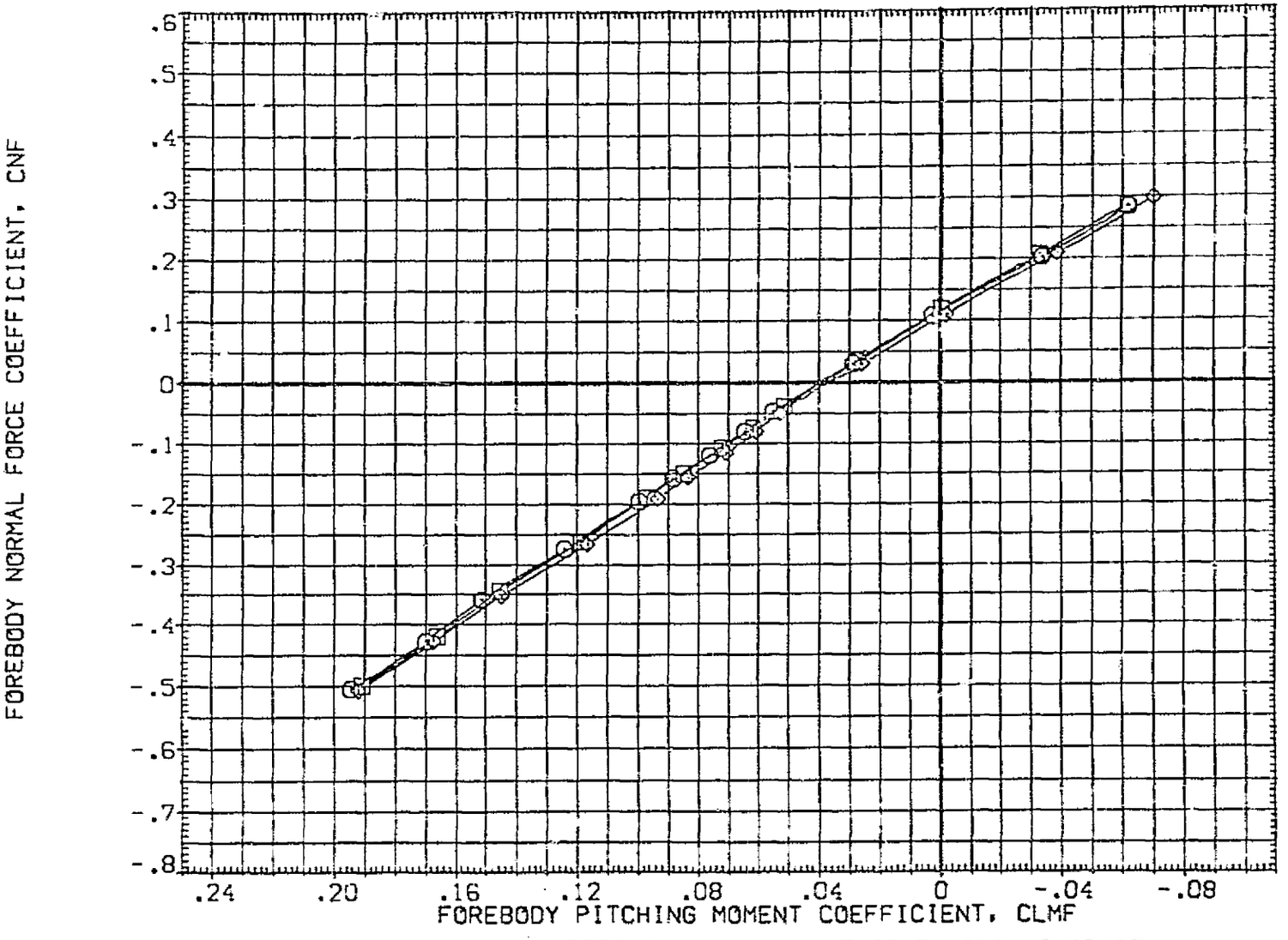


FIGURE 7 OMS POD AND SRB SKIRT EFFECT ON LAUNCH VEHICLE LONG. CHARACT.

(E)MACH = 3.90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8003)	□	UPWT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	.000
(B-8012)	○	UPWT 1088/1119 (1A-44) CONFIGURATION	02/T4/S8	.000
(B-8013)	◇	UPWT 1088/1119 (1A-44) CONFIGURATION	03/T4/S7	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

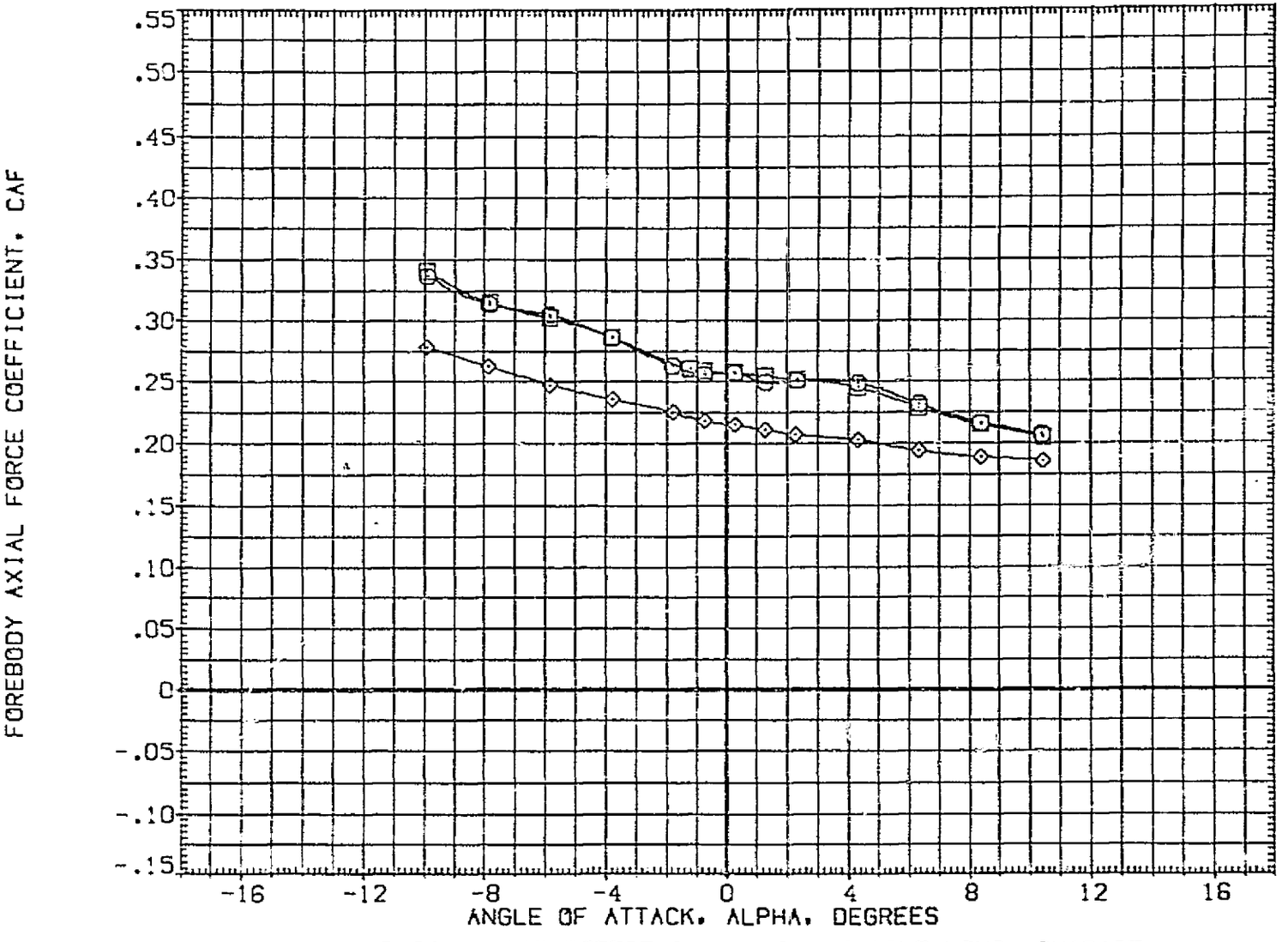


FIGURE 7 OMS POD AND SRB SKIRT EFFECT ON LAUNCH VEHICLE LONG. CHARACT.

(F)MACH = 4.60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8003)	○	OPVT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
(B-8012)	□	OPVT 1088/1119 (IA-44) CONFIGURATION	02/T4/S8	.000
(B-8013)	◇	OPVT 1088/1119 (IA-44) CONFIGURATION	03/T4/S7	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

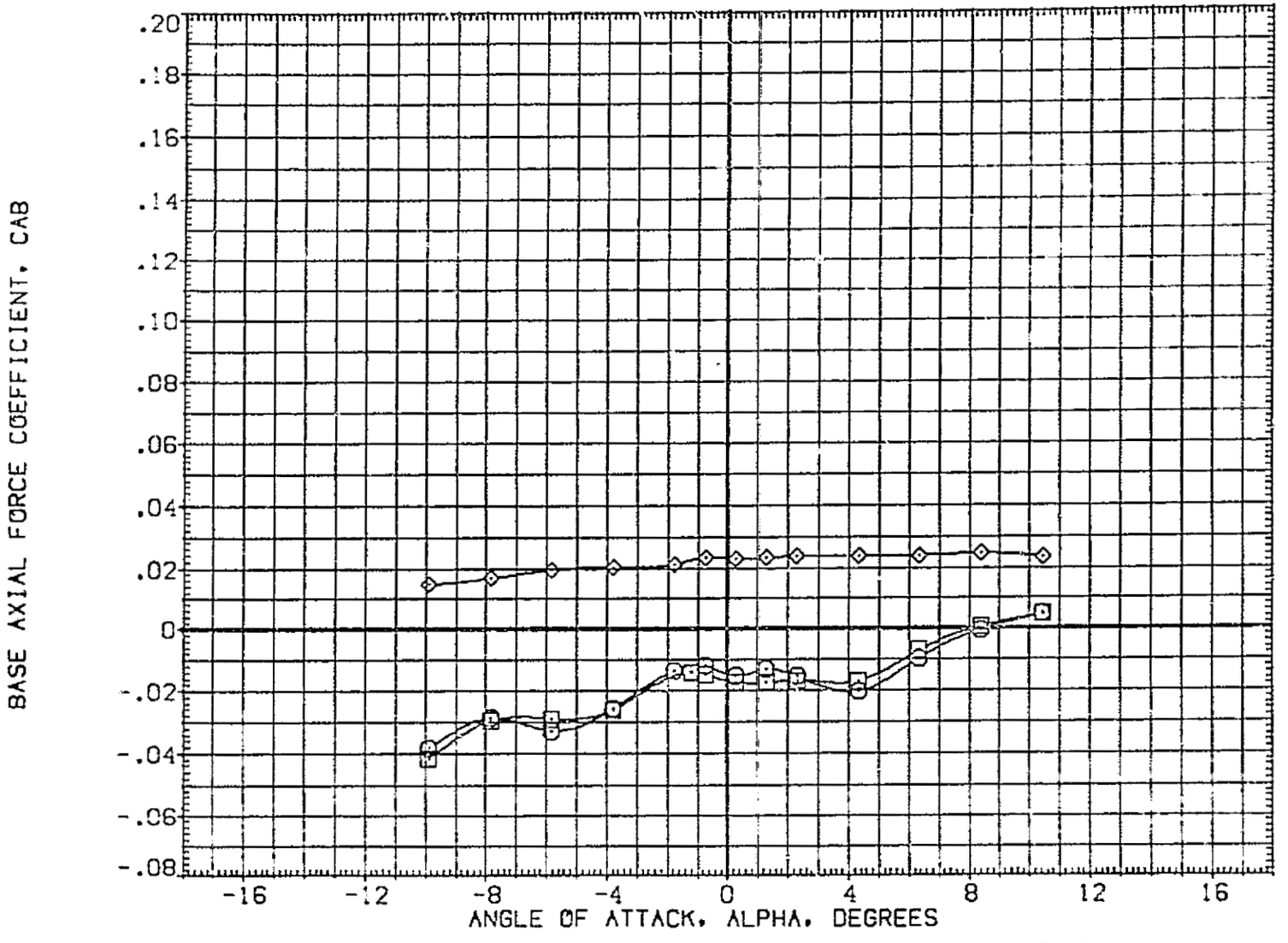


FIGURE 7 OMS POD AND SRB SKIRT EFFECT ON LAUNCH VEHICLE LONG. CHARACT.

(F)MACH = 4.60

DATA SET SYMBOL		CONFIGURATION DESCRIPTION		BETA
(B-8003)	○	UPWT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	.000
(B-8012)	□	UPWT 1088/1119 (1A-44) CONFIGURATION	02/T4/S8	.000
(B-8013)	◇	UPWT 1088/1119 (1A-44) CONFIGURATION	03/T4/S7	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

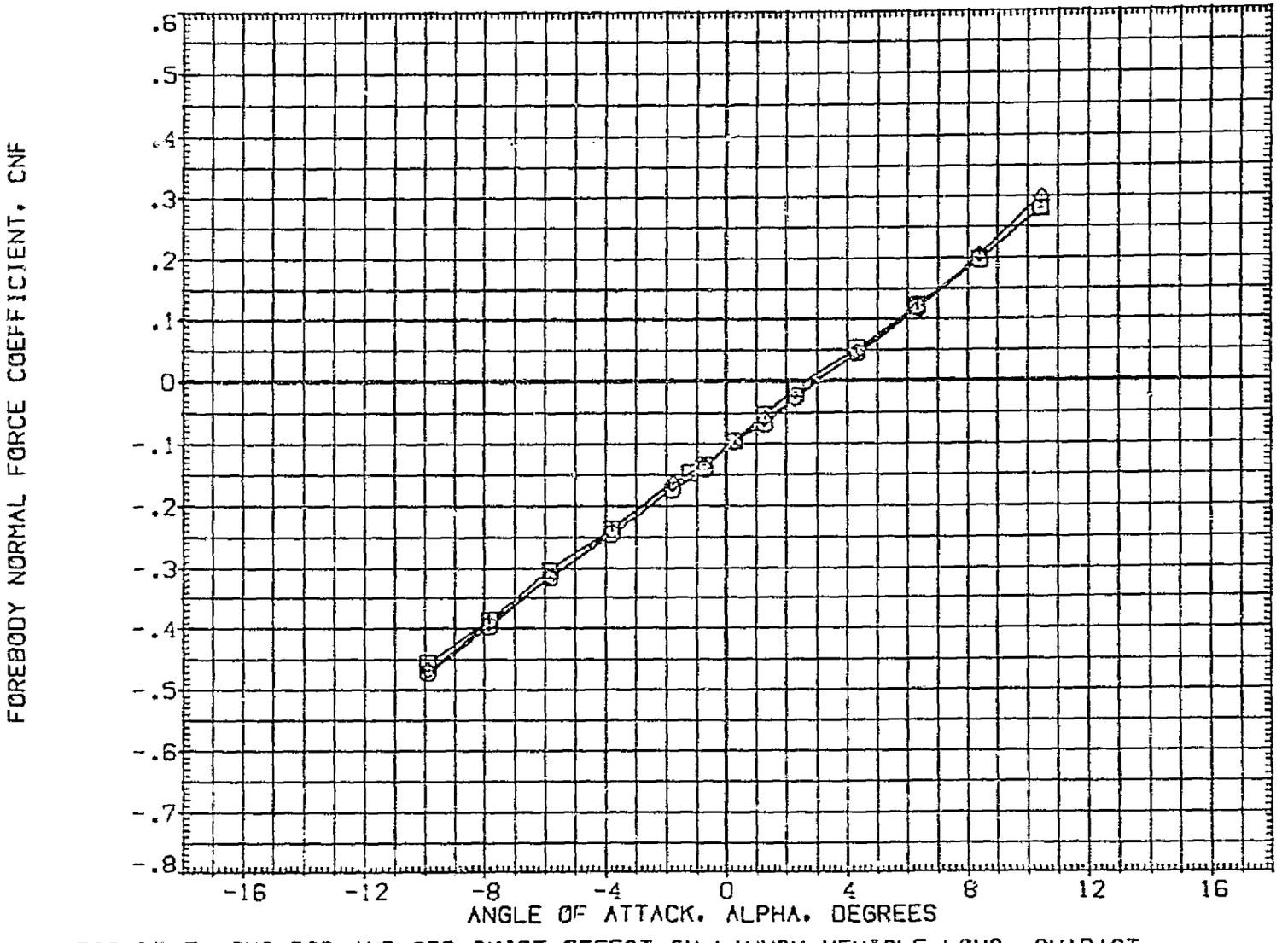


FIGURE 7 OMS POD AND SRB SKIRT EFFECT ON LAUNCH VEHICLE LONG. CHARACT.

(F)MACH = 4.60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8303)	□	LPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
(B-8012)	◁	LPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S8	.000
(B-8013)	◇	LPWT 1088/1119 (IA-44) CONFIGURATION	03/T4/S7	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

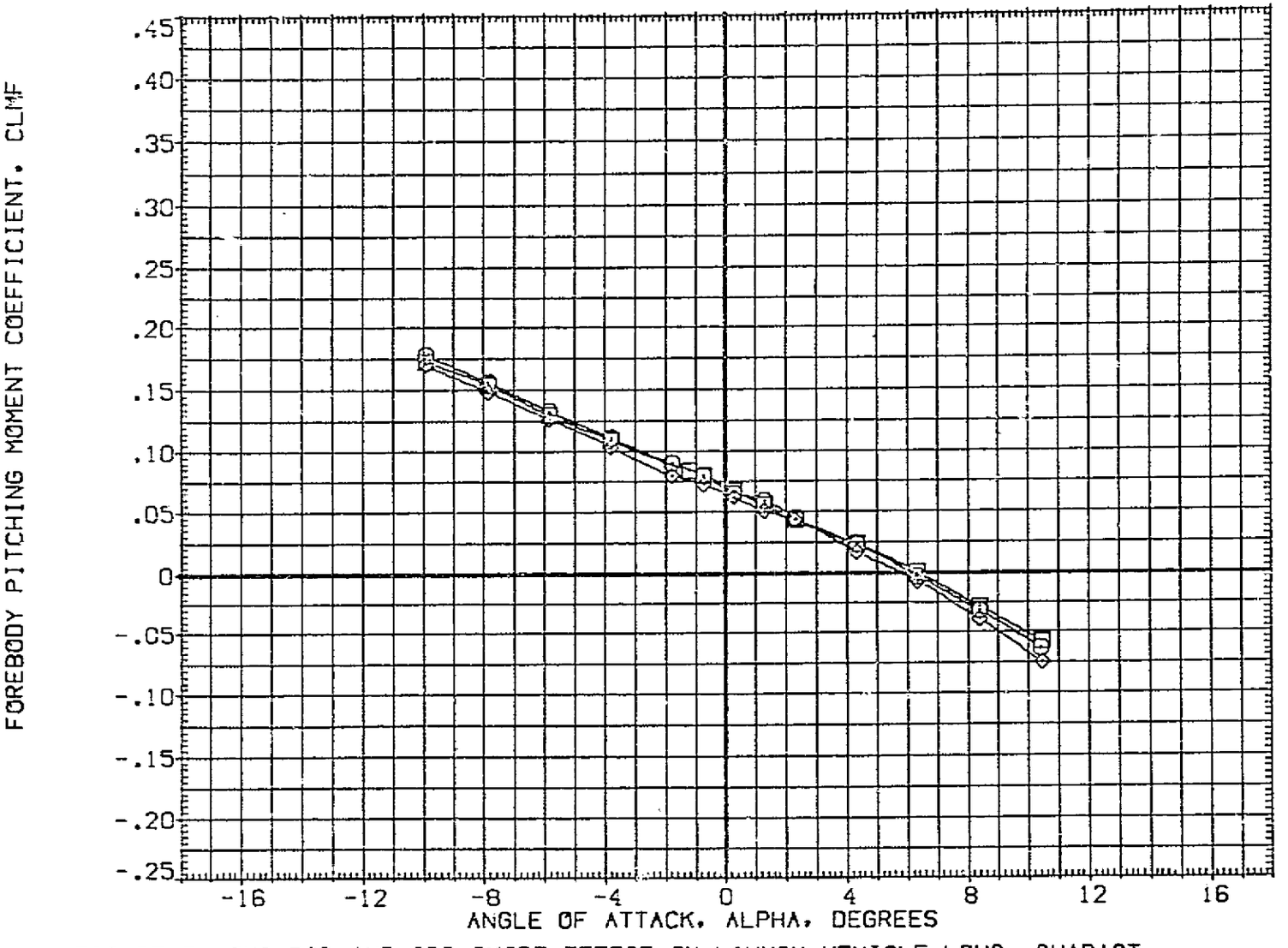


FIGURE 7 OMS POD AND SRB SKIRT EFFECT ON LAUNCH VEHICLE LONG. CHARACT.

(F)MACH = 4.60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8003)	◻	LPWT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	.000
(B-8012)	○	LPWT 1088/1119 (1A-44) CONFIGURATION	02/T4/S8	.000
(B-8013)	◇	LPWT 1088/1119 (1A-44) CONFIGURATION	03/T4/S7	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

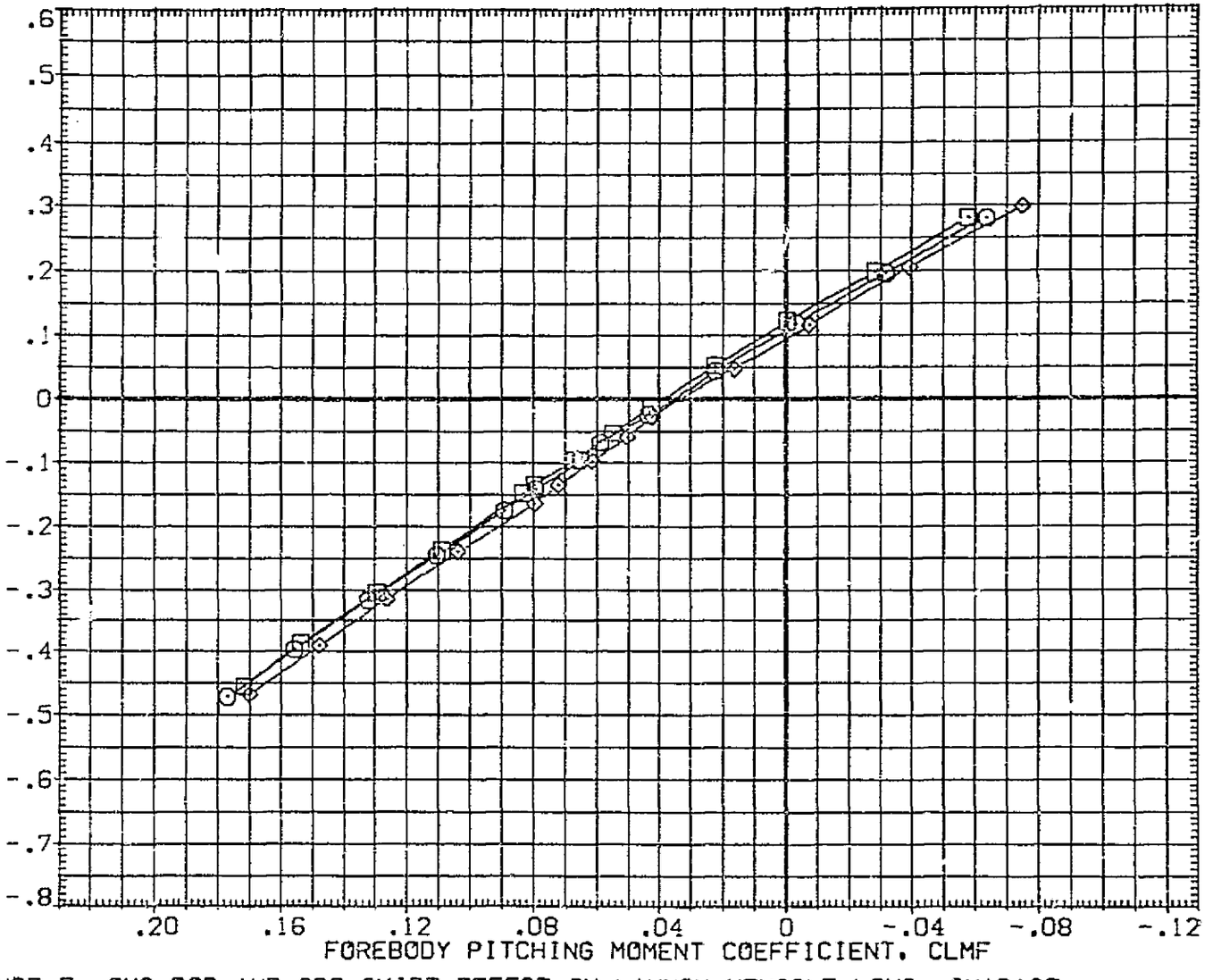


FIGURE 7 OMS POD AND SRB SKIRT EFFECT ON LAUNCH VEHICLE LONG. CHARACT.

(F)MACH = 4.60

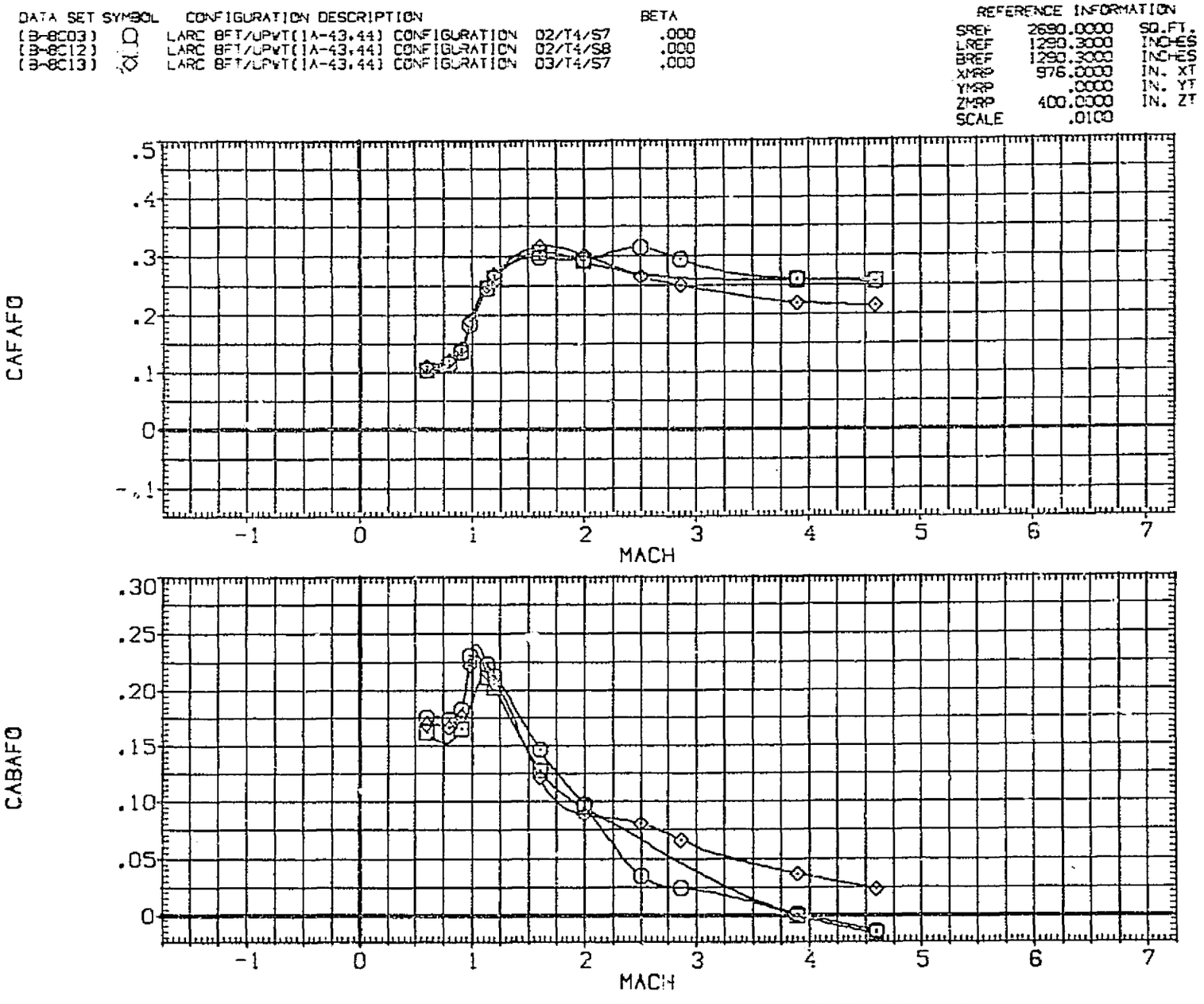


FIGURE 7 OMS POD AND SRB SKIRT EFFECT ON LAUNCH VEHICLE LONG. CHARACT.

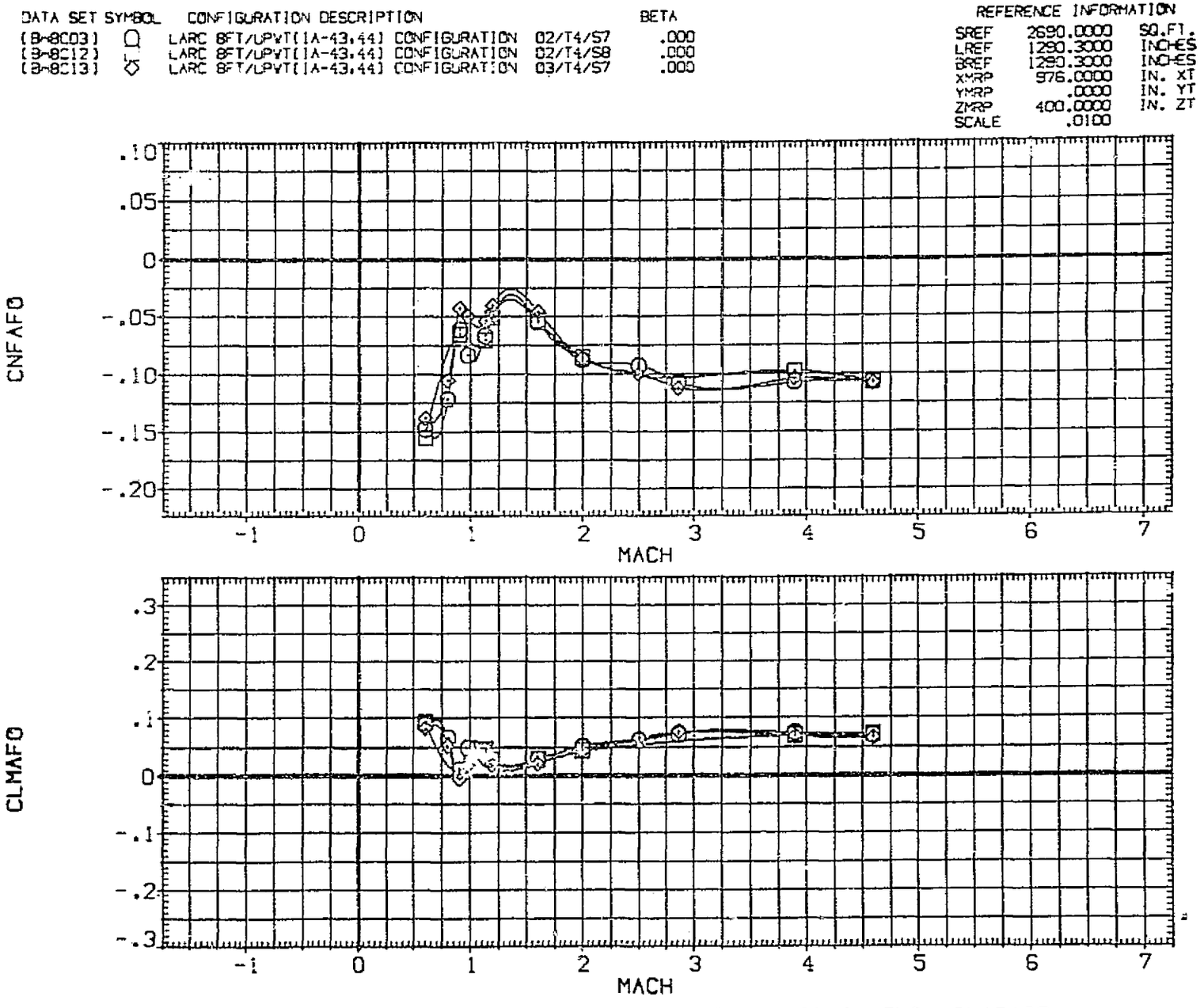


FIGURE 7 OMS POD AND SRB SKIRT EFFECT ON LAUNCH VEHICLE LONG. CHARACT.

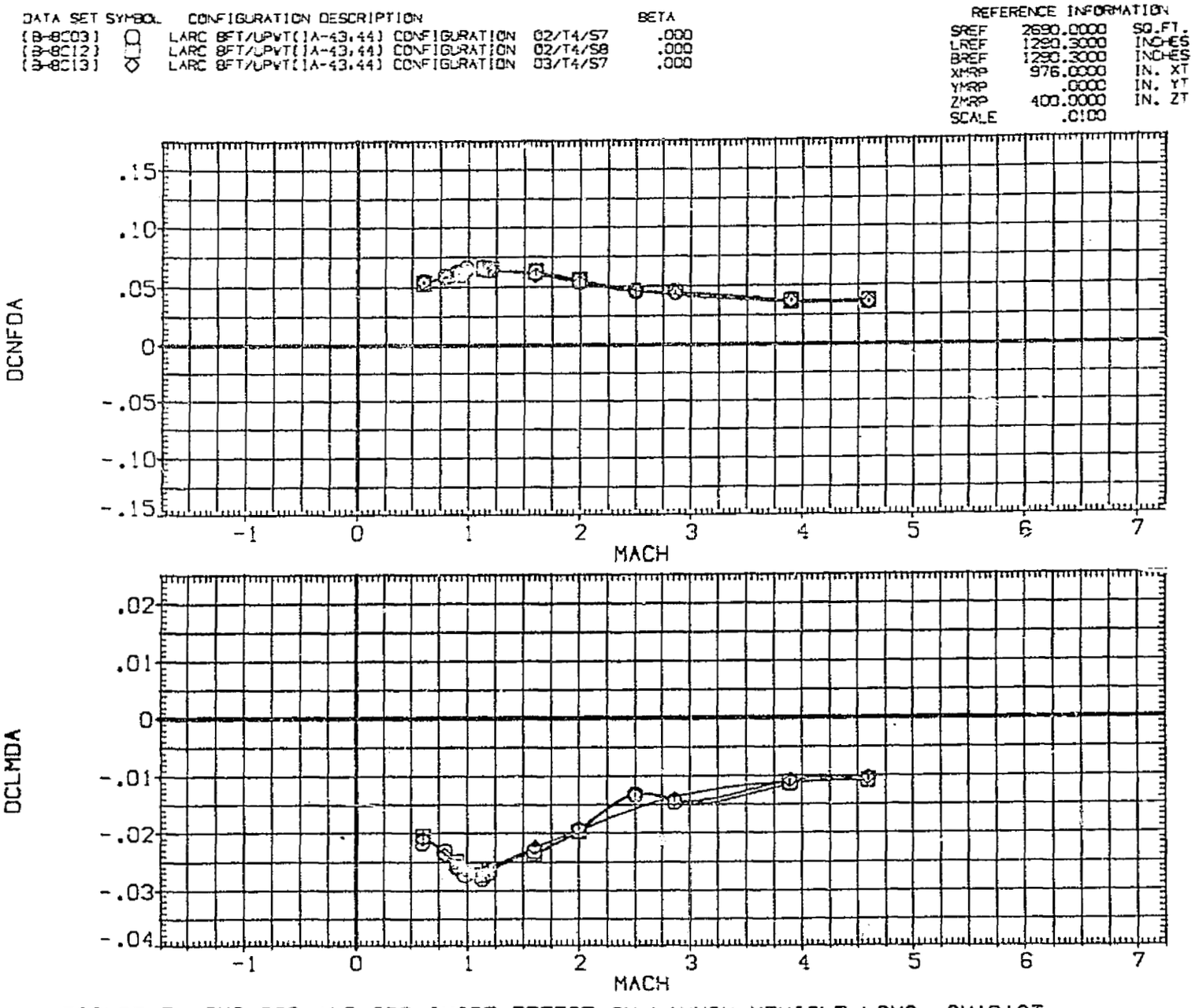


FIGURE 7 OMS POD AND SRB SKIRT EFFECT ON LAUNCH VEHICLE LONG. CHARACT.

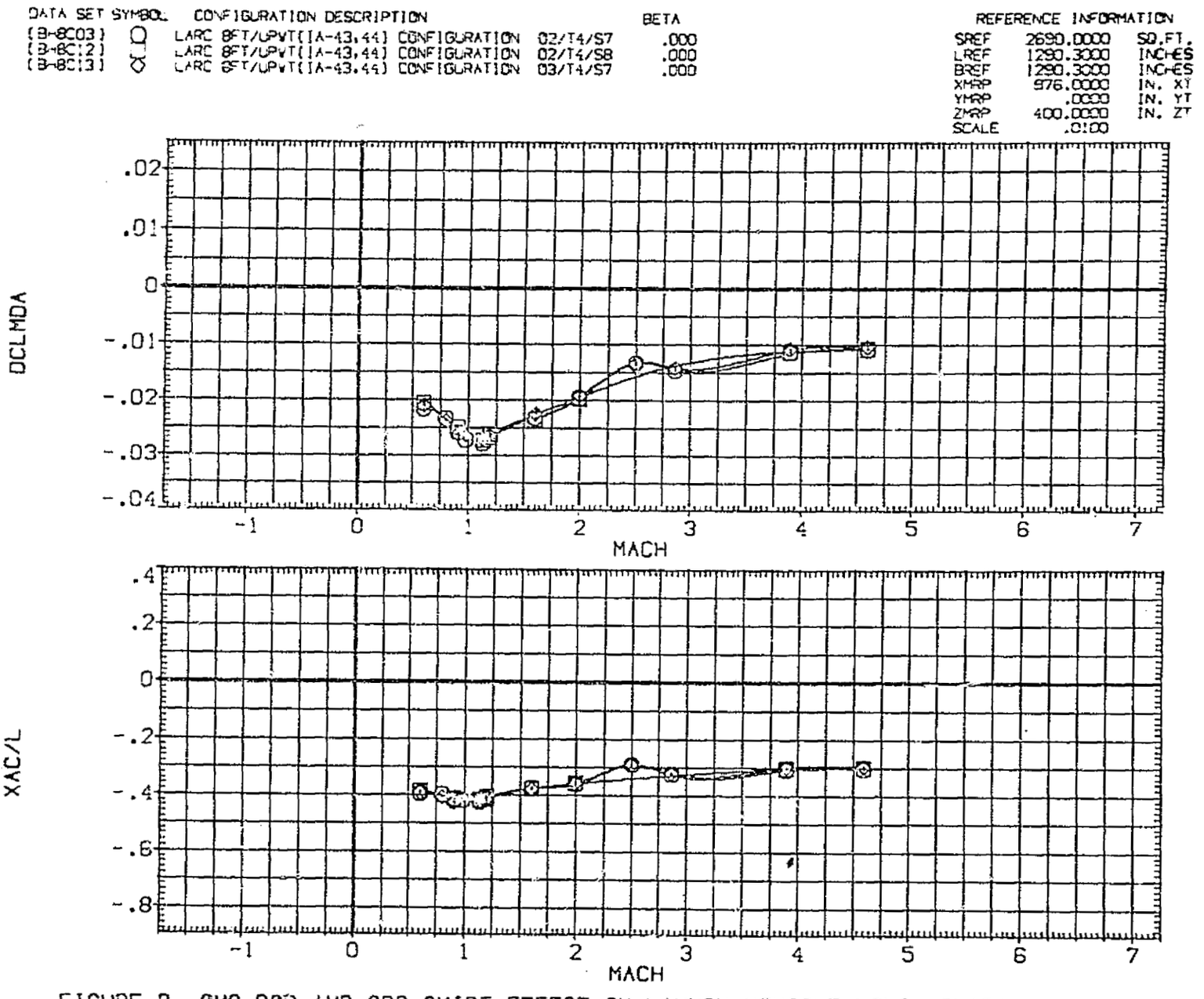


FIGURE 7 OMS POD AND SRB SKIRT EFFECT ON LAUNCH VEHICLE LONG. CHARACT.

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8011)		UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S1	.000
(B-8010)		UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S2	.000
(B-8008)		UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S3	.000
(B-8008)		UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S6	.000
(B-8003)		UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1280.3000	INCHES
BREF	1280.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

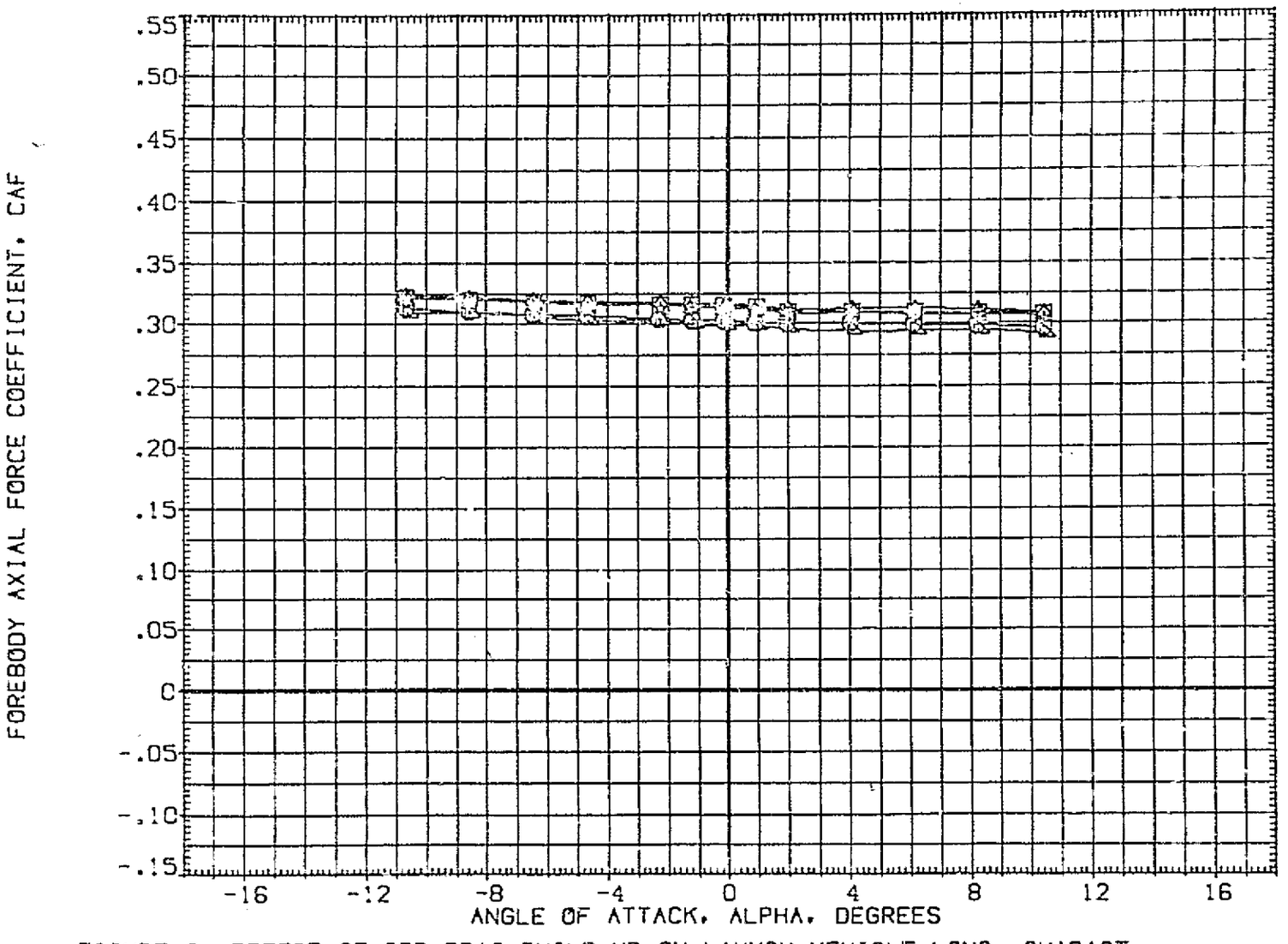


FIGURE 8 EFFECT OF SRB DRAG BUILD-UP ON LAUNCH VEHICLE LONG. CHARACT.

(A)MACH = 1.60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8011)	□	CPVT 1088/1119 (1A-44) CONFIGURATION	02/T4/S1	.000
(B-8010)	◇	CPVT 1088/1119 (1A-44) CONFIGURATION	02/T4/S2	.000
(B-8009)	△	CPVT 1088/1119 (1A-44) CONFIGURATION	02/T4/S3	.000
(B-8008)		CPVT 1088/1119 (1A-44) CONFIGURATION	02/T4/S6	.000
(B-8003)		CPVT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

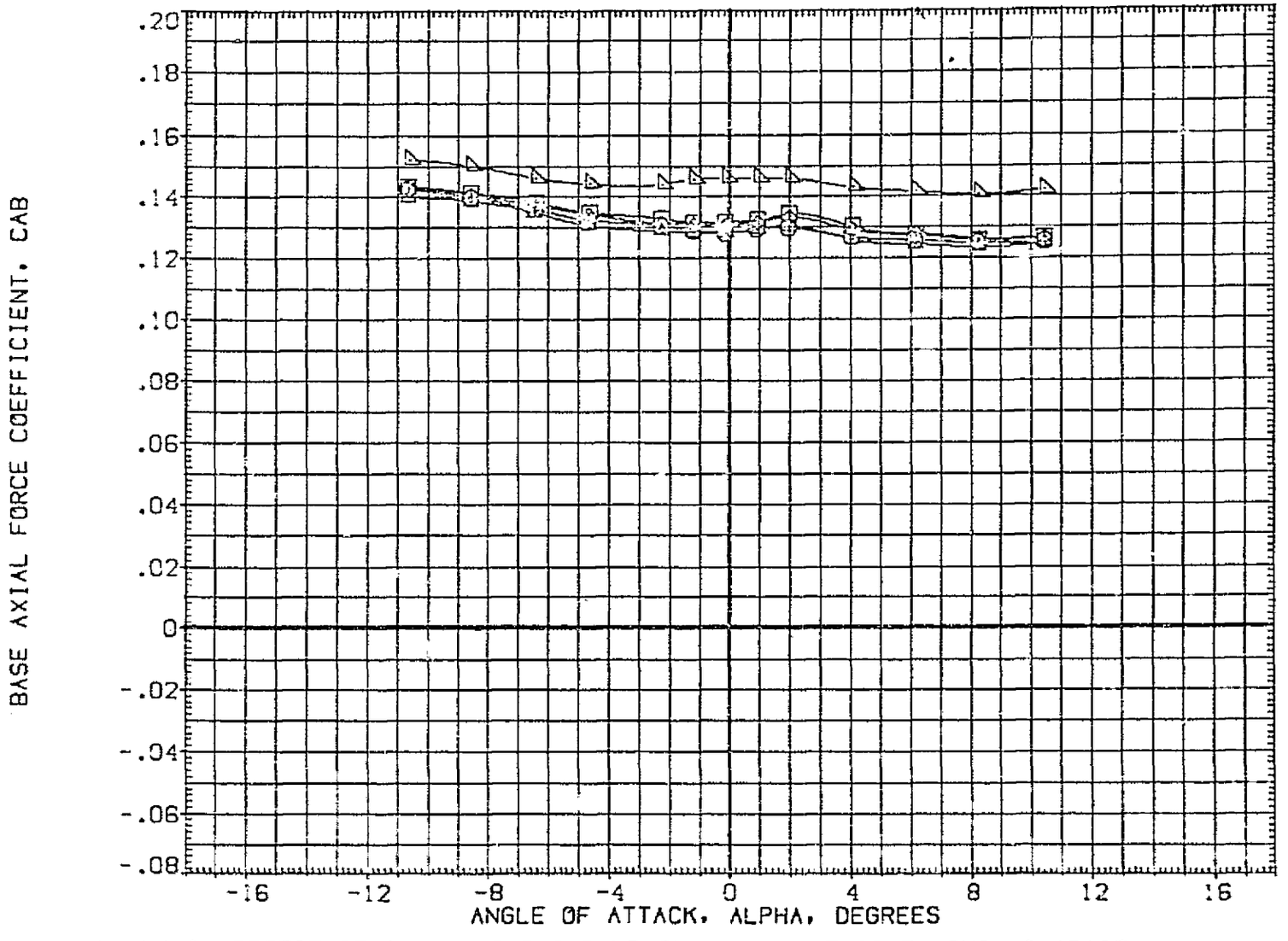


FIGURE 8 EFFECT OF SRB DRAG BUILD-UP ON LAUNCH VEHICLE LONG. CHARACT.

(A)MACH = 1.60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8011)	○	LPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S1	.000
(B-8010)	□	LPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S2	.000
(B-8009)	◇	LPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S3	.000
(B-8008)	△	LPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S6	.000
(B-8003)	▽	LPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

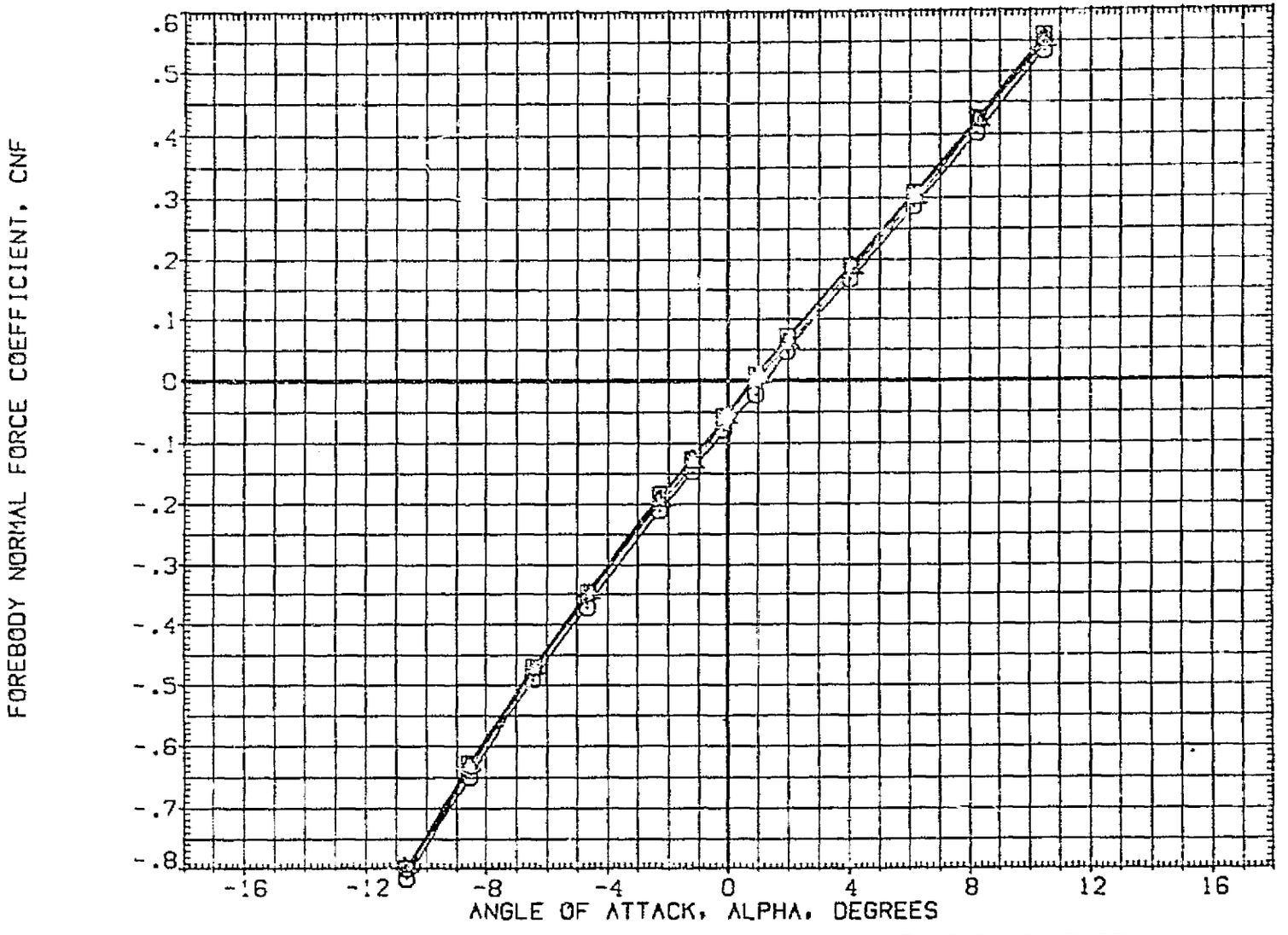


FIGURE 8 EFFECT OF SRB DRAG BUILD-UP ON LAUNCH VEHICLE LONG. CHARACT.

(A)MACH = 1.60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8011)	○	CPVT 1088/1119 (1A-44) CONFIGURATION	02/T4/S1	.000
(B-8010)	□	CPVT 1088/1119 (1A-44) CONFIGURATION	02/T4/S2	.000
(B-8009)	◇	CPVT 1088/1119 (1A-44) CONFIGURATION	02/T4/S3	.000
(B-8008)	△	CPVT 1088/1119 (1A-44) CONFIGURATION	02/T4/S6	.000
(B-8003)	▷	CPVT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

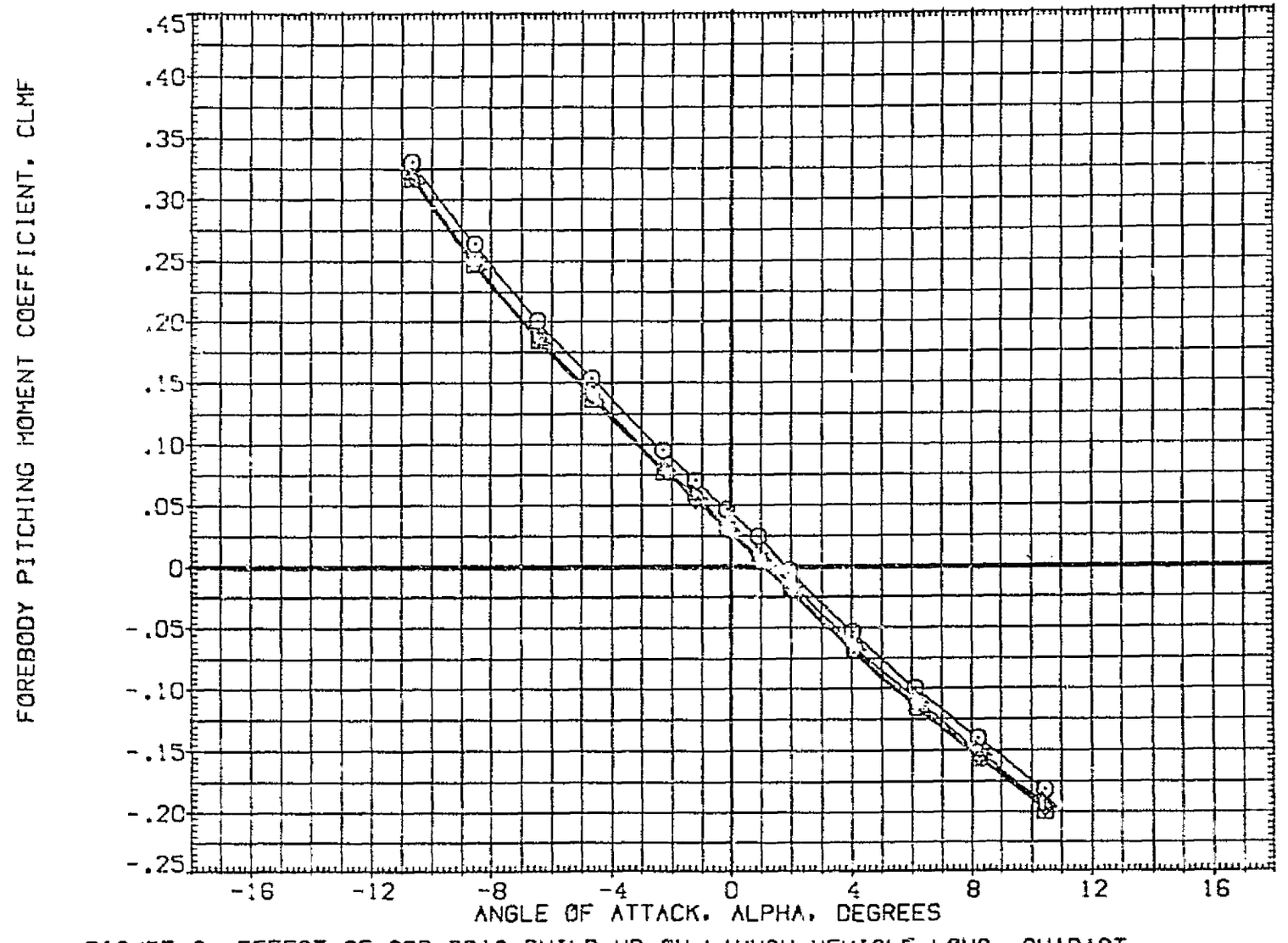


FIGURE 8 EFFECT OF SRB DRAG BUILD-UP ON LAUNCH VEHICLE LONG. CHARACT.

(A)MACH = 1.60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8011)	□	GPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S1	.000
(B-8010)	◇	GPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S2	.000
(B-8009)	△	GPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S3	.000
(B-8008)	▽	GPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S6	.000
(B-8003)	⊲	GPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000

REFERENCE INFORMATION

SREF	2680.0000	SQ.FT.
LREF	1280.3000	INCHES
BREF	1280.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

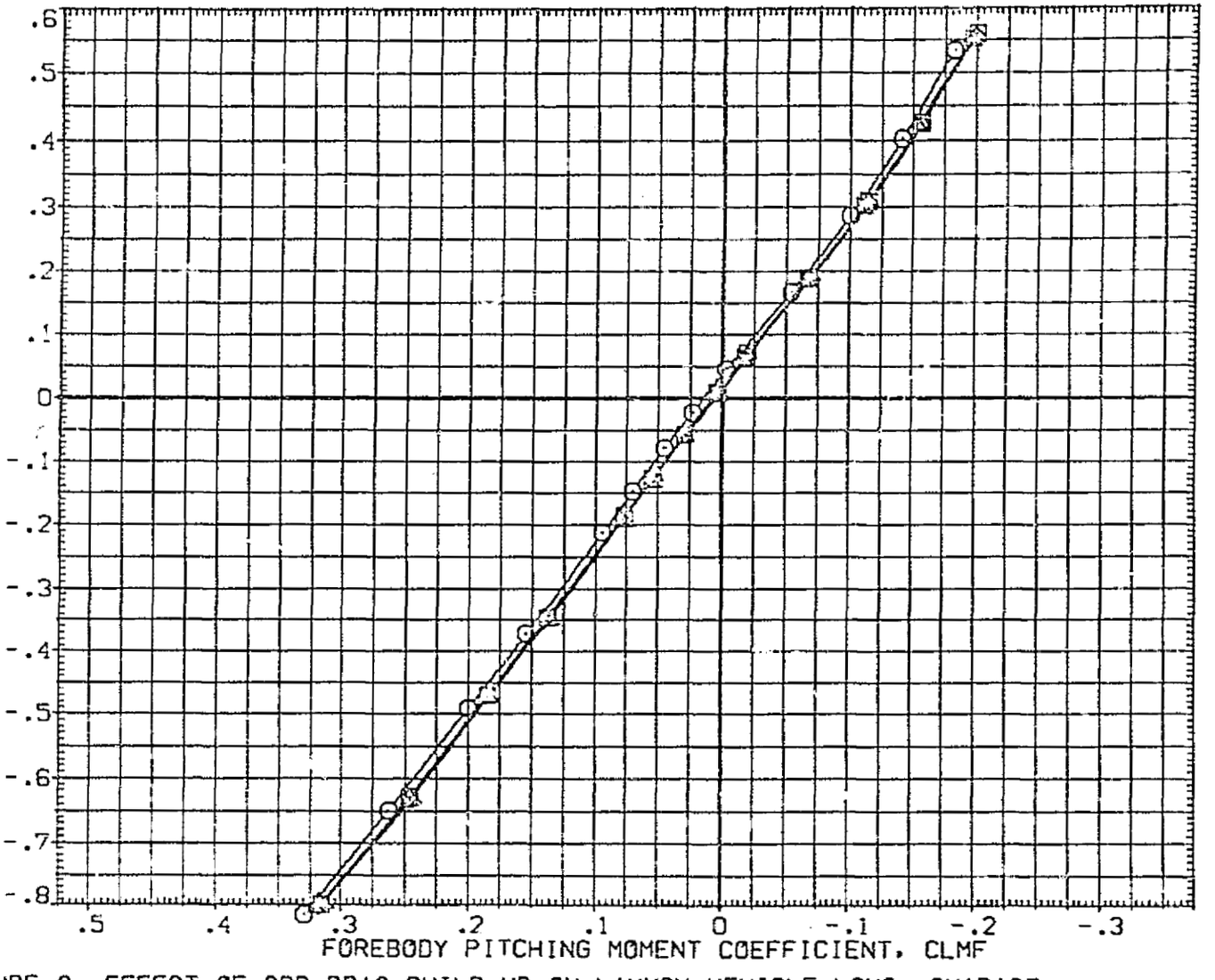


FIGURE 8 EFFECT OF SRB DRAG BUILD-UP ON LAUNCH VEHICLE LONG. CHARACT.

(A)MACH = 1.60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8011)	□	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S1	.000
(B-8010)	○	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S2	.000
(B-8009)	△	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S3	.000
(B-8008)	◇	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S6	.000
(B-8003)	▽	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.01:00	

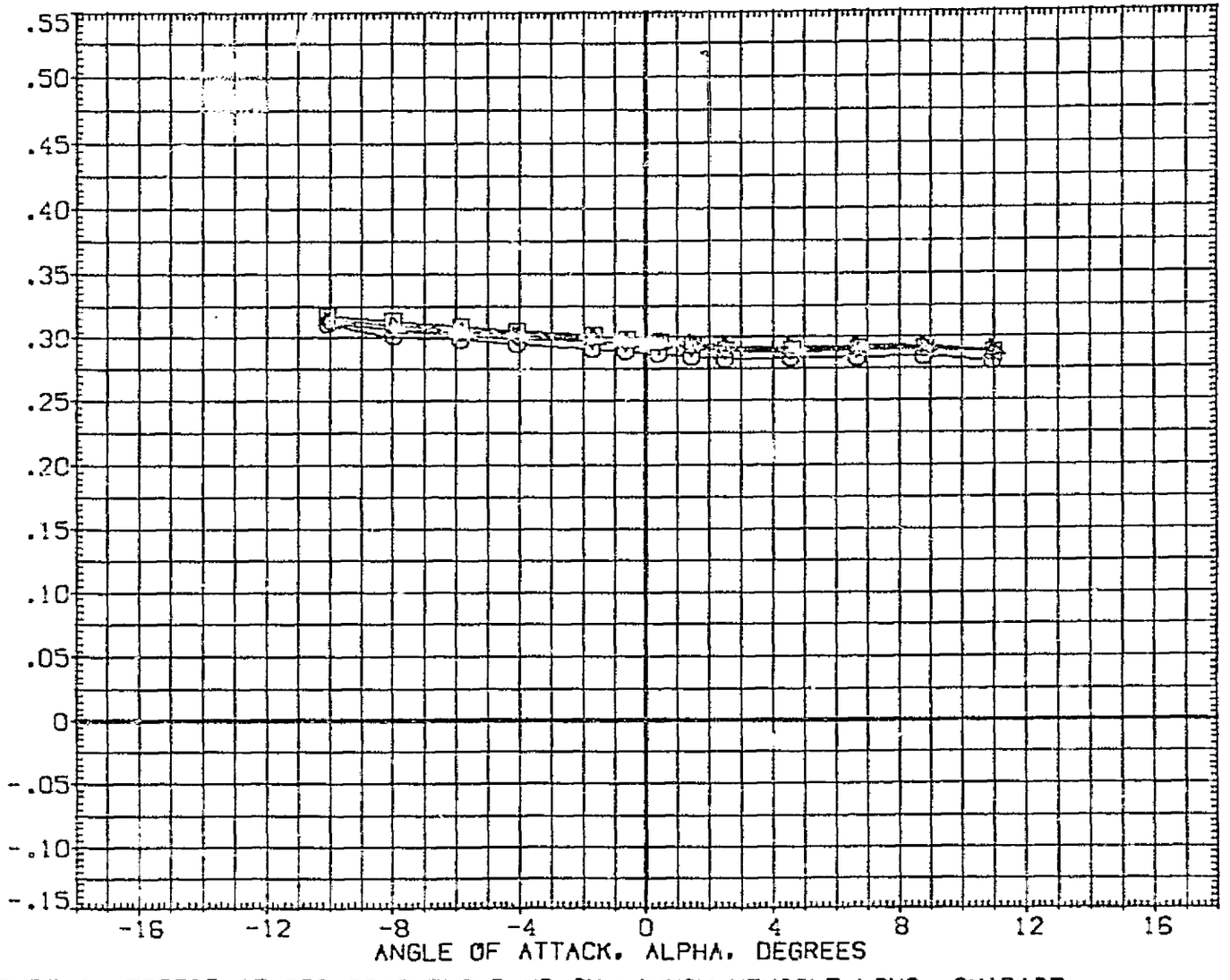


FIGURE 8 EFFECT OF SRB DRAG BUILD-UP ON LAUNCH VEHICLE LONG. CHARACT.

(B)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8011)	□	GPWT 1088/1119 (1A-44) CONFIGURATION	02/T4/S1	.000
(B-8010)	△	GPWT 1088/1119 (1A-44) CONFIGURATION	02/T4/S2	.000
(B-8009)	◇	GPWT 1088/1119 (1A-44) CONFIGURATION	02/T4/S3	.000
(B-8008)	▽	GPWT 1088/1119 (1A-44) CONFIGURATION	02/T4/S6	.000
(B-8003)	◁	GPWT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	.000

REFERENCE INFORMATION		
SREF	2680.0000	SQ.FT.
LREF	1290.0000	INCHES
BREF	1290.0000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	



FIGURE 8 EFFECT OF SRB DRAG BUILD-UP ON LAUNCH VEHICLE LONG. CHARACT.

(B)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(9-8011)	○	LPVT 1088/1119 (IA-44) CONFIGURATION	02/T4/S1	.000
(9-8010)	□	LPVT 1088/1119 (IA-44) CONFIGURATION	02/T4/S2	.000
(9-8009)	◇	LPVT 1088/1119 (IA-44) CONFIGURATION	02/T4/S3	.000
(9-8008)	△	LPVT 1088/1119 (IA-44) CONFIGURATION	02/T4/S6	.000
(9-8003)	▽	LPVT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

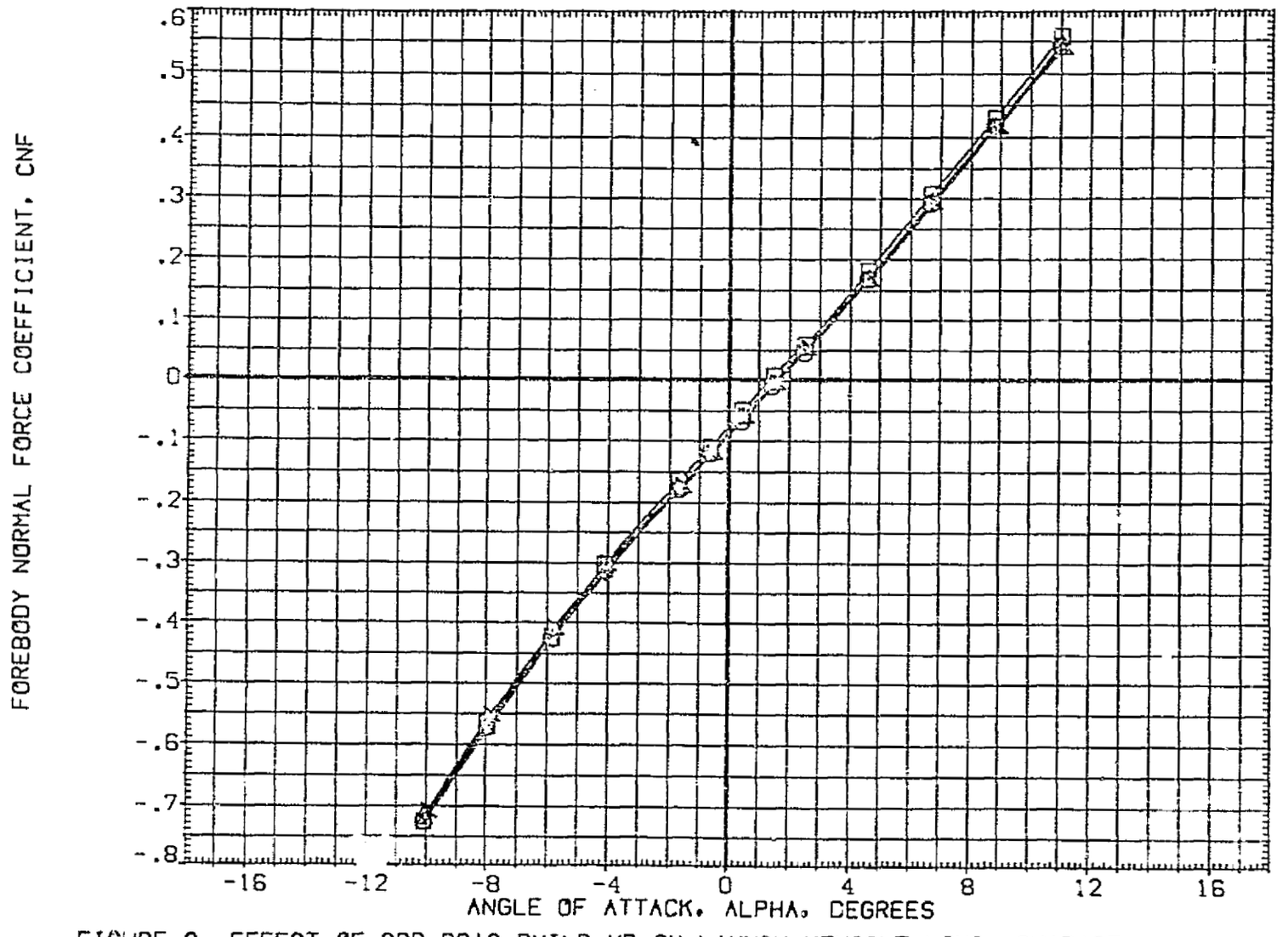


FIGURE 8 EFFECT OF SRB DRAG BUILD-UP ON LAUNCH VEHICLE LONG. CHARACT.

(8)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8011)	□	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S1	.000
(B-8010)	◇	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S2	.000
(B-8009)	△	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S3	.000
(B-8008)	▽	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S6	.000
(B-8003)	◁	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

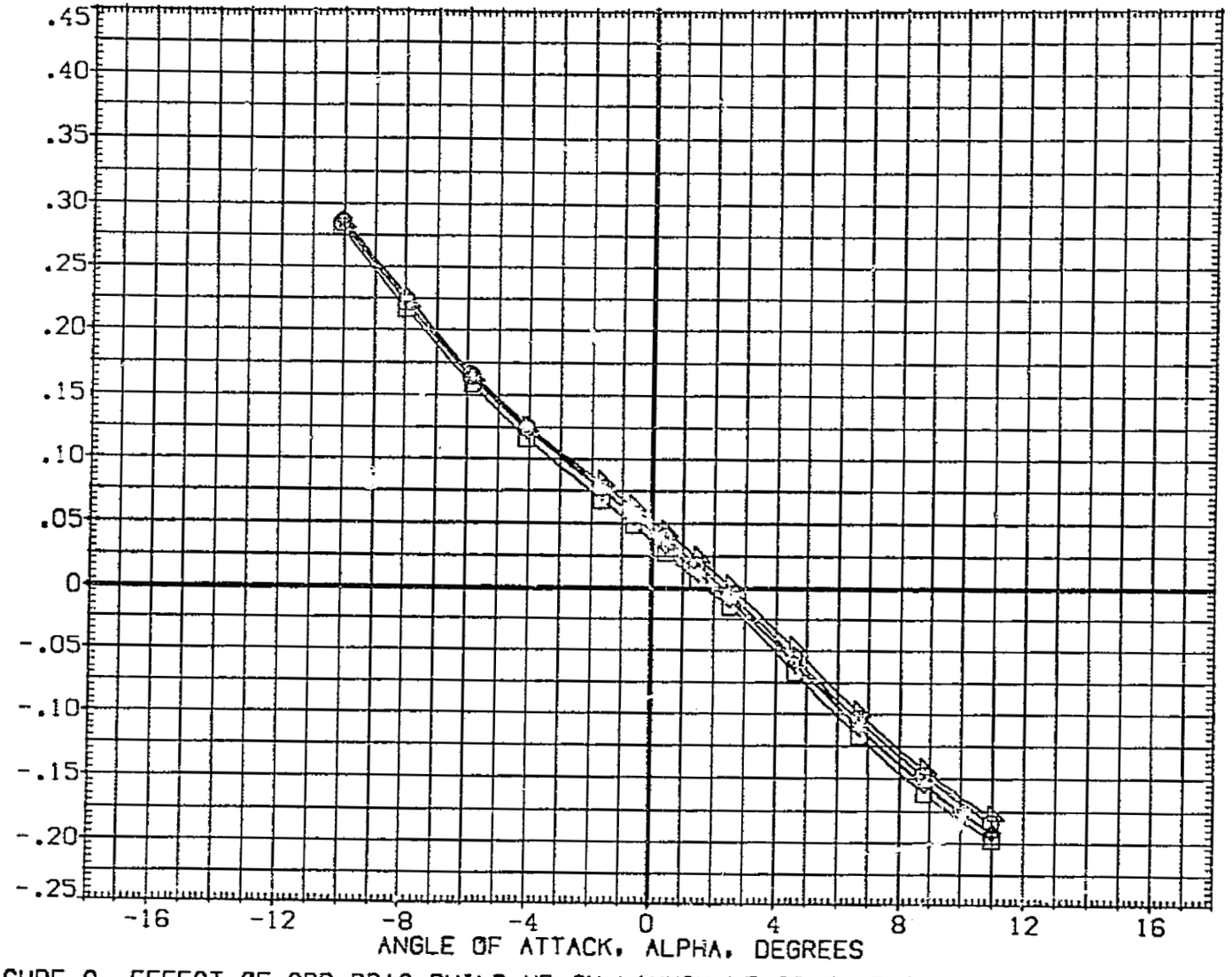


FIGURE 8 EFFECT OF SRB DRAG BUILD-UP ON LAUNCH VEHICLE LONG. CHARACT.

(B)MACH = 2.00

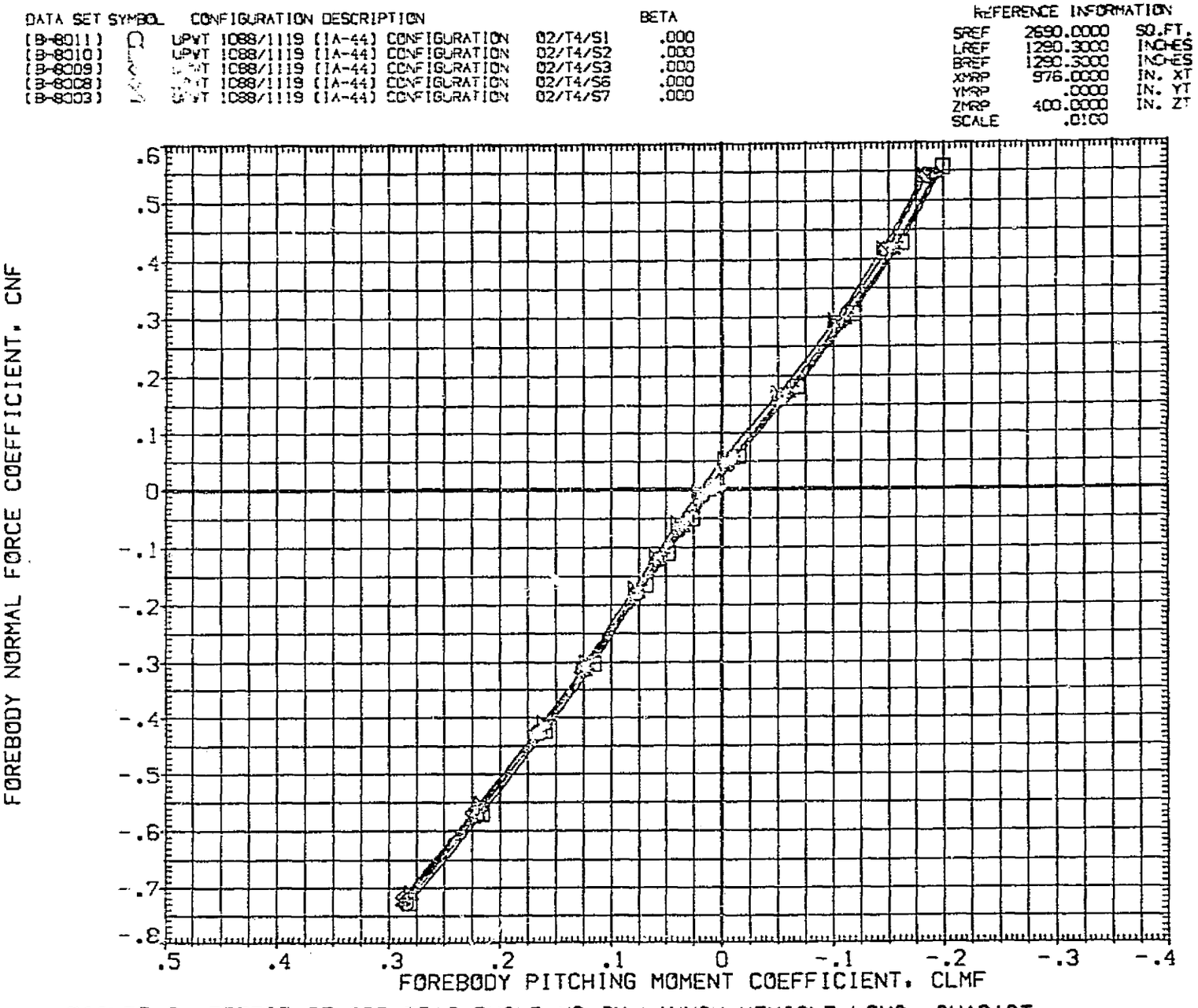


FIGURE 8 EFFECT OF SRB DRAG BUILD-UP ON LAUNCH VEHICLE LONG. CHARACT.

(3)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8011)	□	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S1	.000
(B-8010)	◇	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S2	.000
(B-8009)		DATA NOT AVAILABLE		.000
(B-8008)		DATA NOT AVAILABLE		.000
(B-8003)	△	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

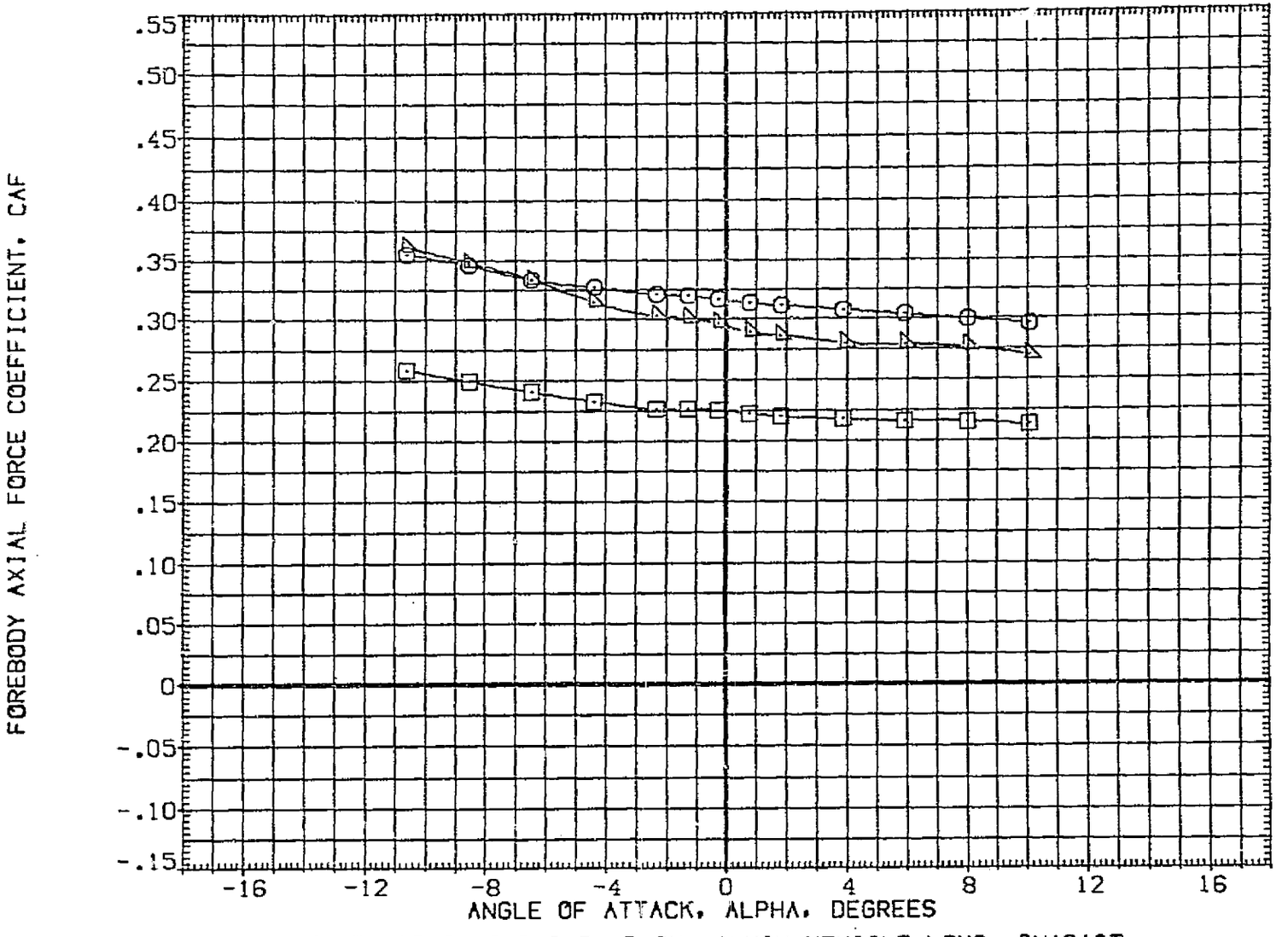


FIGURE 8 EFFECT OF SRB DRAG BUILD-UP ON LAUNCH VEHICLE LONG. CHARACT.

(C)MACH = 2.86

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8011)	□	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S1	.000
(B-8010)	◇	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S2	.000
(B-8009)	△	DATA NOT AVAILABLE		.000
(B-8008)	▽	DATA NOT AVAILABLE		.000
(B-8003)	▷	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

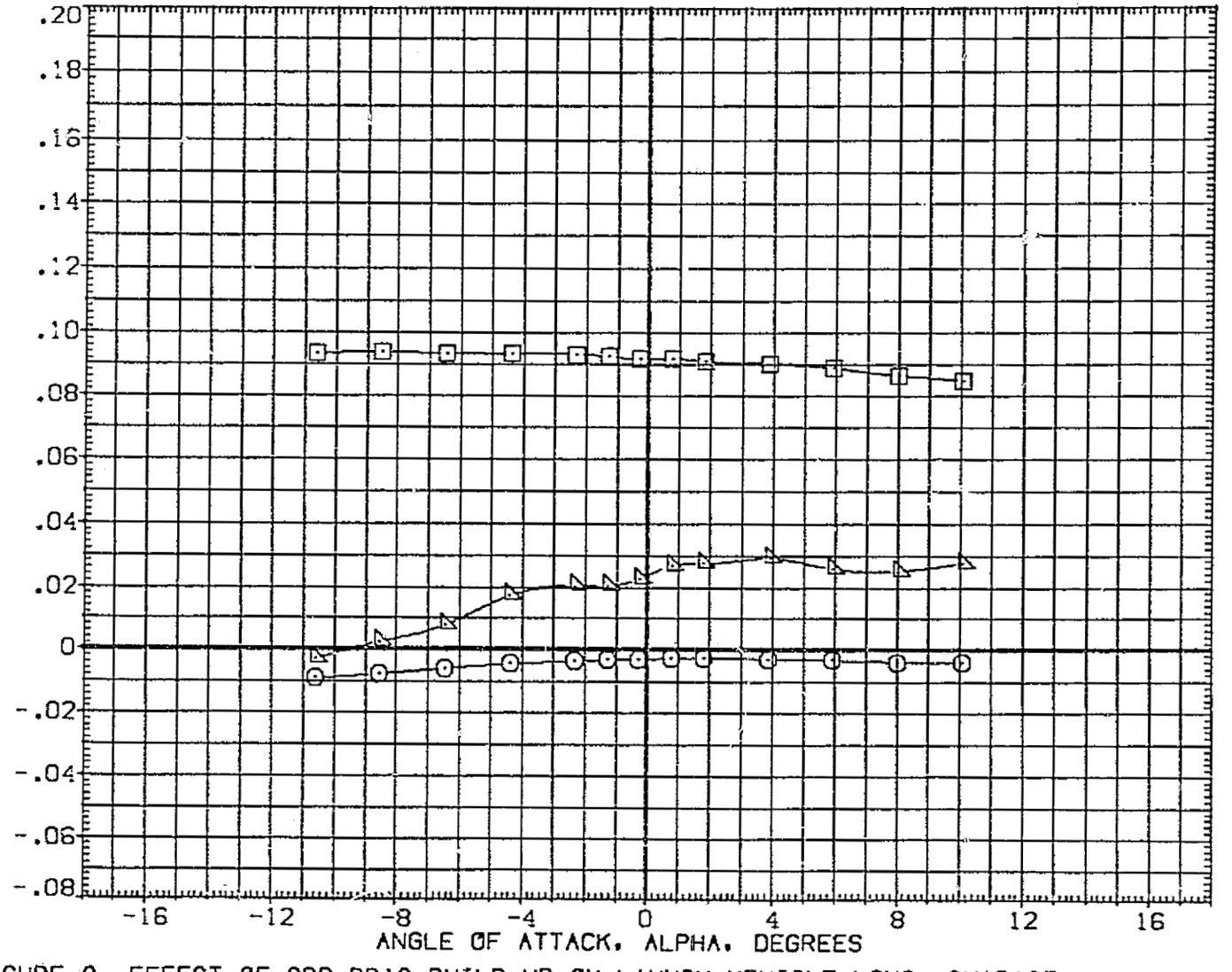


FIGURE 8 EFFECT OF SRB DRAG BUILD-UP ON LAUNCH VEHICLE LONG. CHARACT.

(C)MACH = 2.86

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8011)	○	LPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S1	.000
(B-8010)	◇	LPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S2	.000
(B-8009)		DATA NOT AVAILABLE		.000
(B-8008)		DATA NOT AVAILABLE		.000
(B-8003)	△	LPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

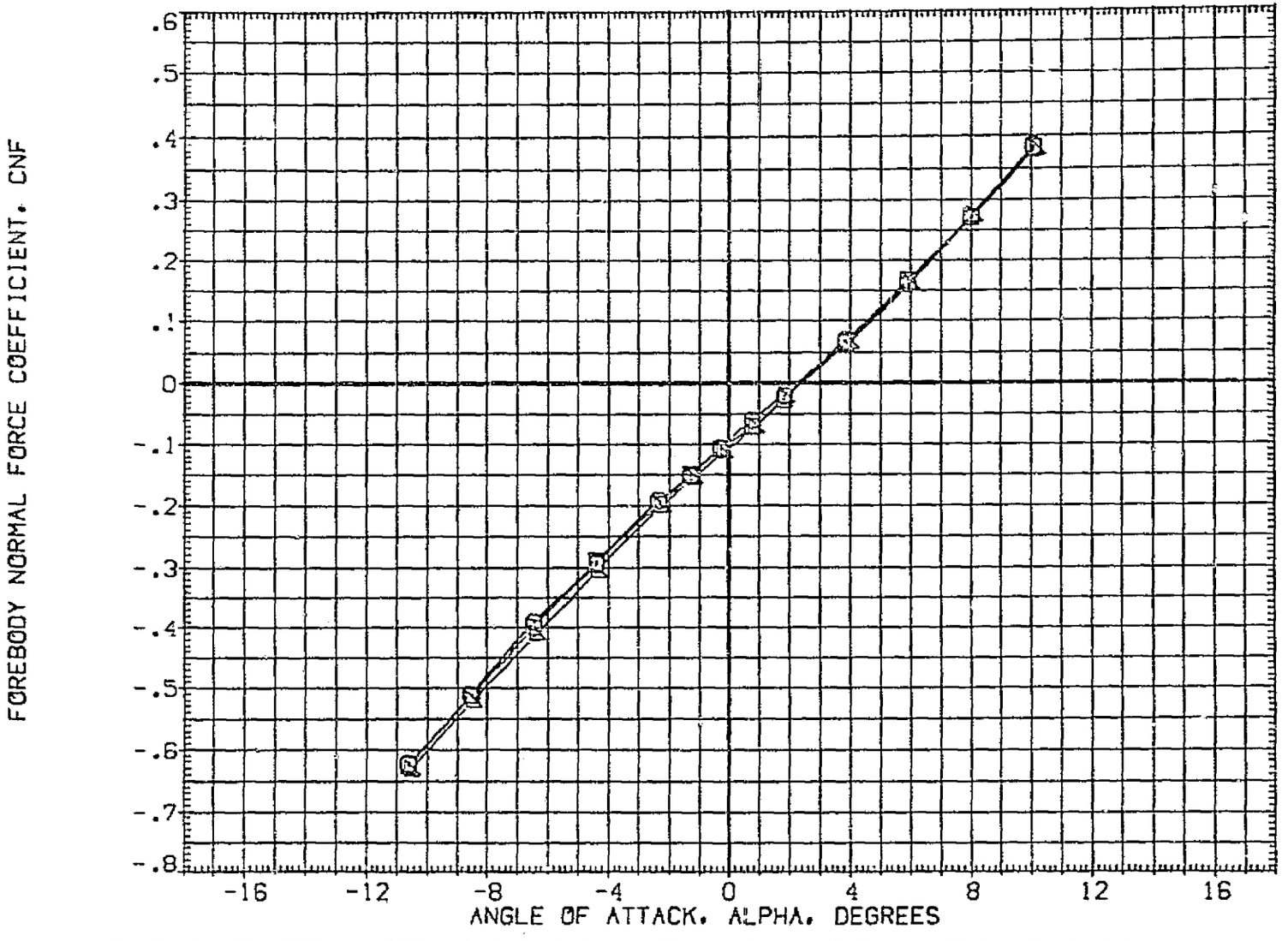


FIGURE 8 EFFECT OF SRB DRAG BUILD-UP ON LAUNCH VEHICLE LONG. CHARACT.

(C)MACH = 2.86

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8011)	○	LPVT 1088/1119 (IA-44) CONFIGURATION	02/T4/S1	.000
(B-8010)	⊗	LPVT 1088/1119 (IA-44) CONFIGURATION	02/T4/S2	.000
(B-8009)	◇	DATA NOT AVAILABLE		.000
(B-8008)	△	DATA NOT AVAILABLE		.000
(B-8003)	▽	LPVT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

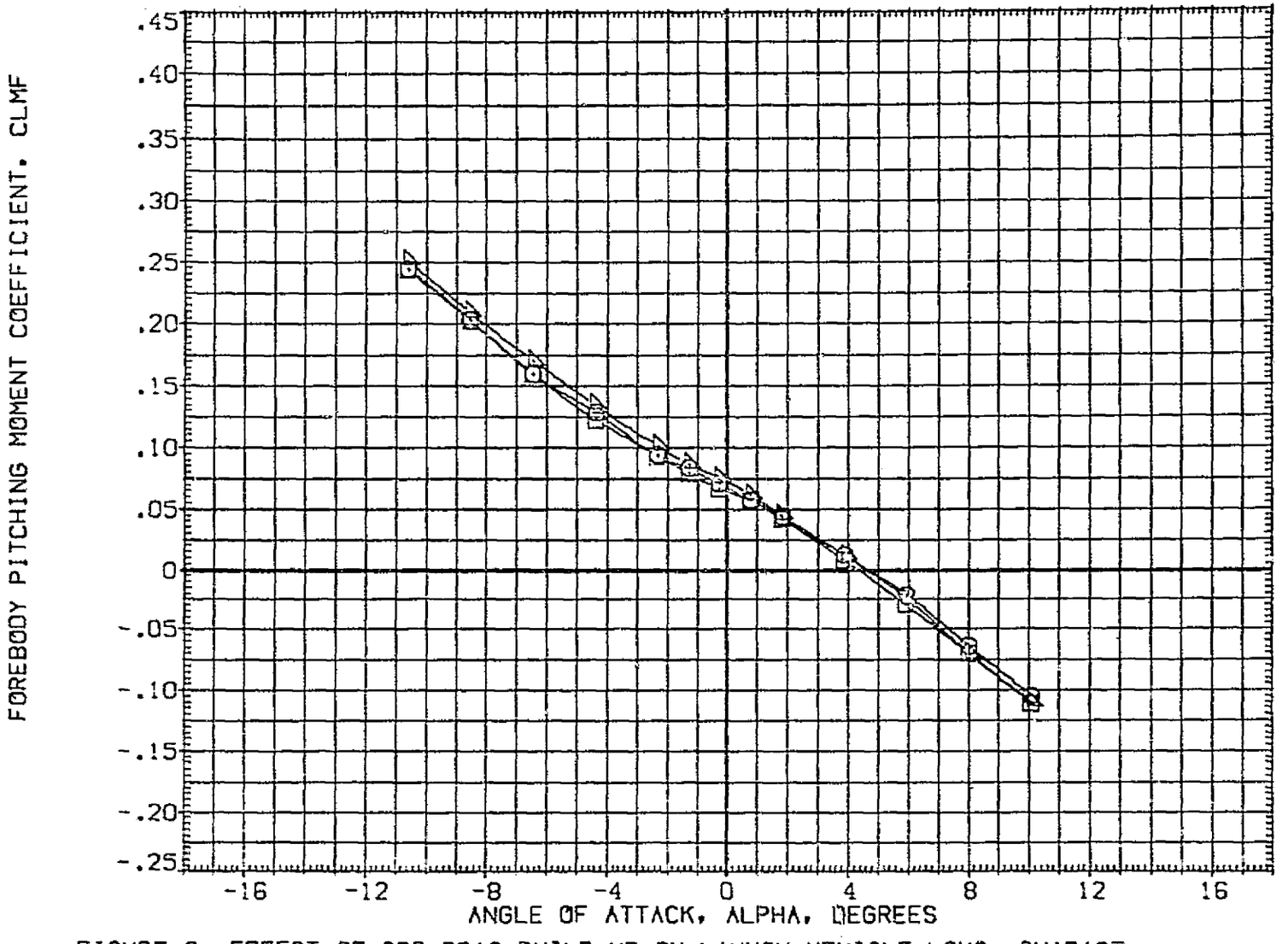


FIGURE 8 EFFECT OF SRB DRAG BUILD-UP ON LAUNCH VEHICLE LONG. CHARACT.

(C)MACH = 2.86

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8011)	□	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S1	.000
(B-8010)	◇	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S2	.000
(B-8009)	⊠	DATA NOT AVAILABLE		.000
(B-8008)	△	DATA NOT AVAILABLE		.000
(B-8003)	▽	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000

REFERENCE INFORMATION

SREF	2680.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

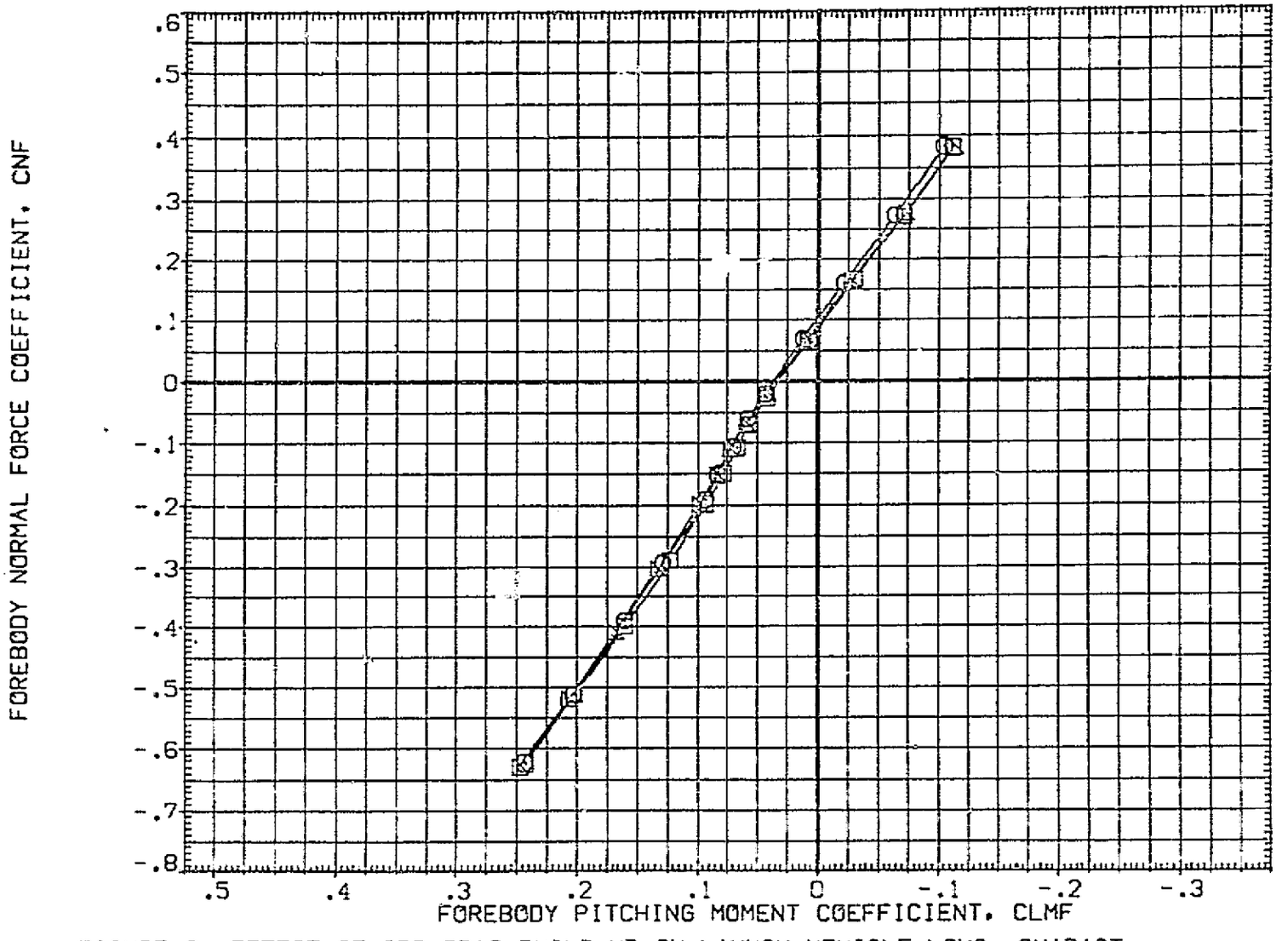


FIGURE 8 EFFECT OF SRB DRAG BUILD-UP ON LAUNCH VEHICLE LONG. CHARACT.

(C)MACH = 2.86

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8011)	○	UPVT 1088/1119 (IA-44) CONFIGURATION	02/T4/S1	.000
(B-8010)	◇	DATA NOT AVAILABLE		.000
(B-8009)	⋈	DATA NOT AVAILABLE		.000
(B-8008)	⋈	DATA NOT AVAILABLE		.000
(B-8003)	△	UPVT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	975.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

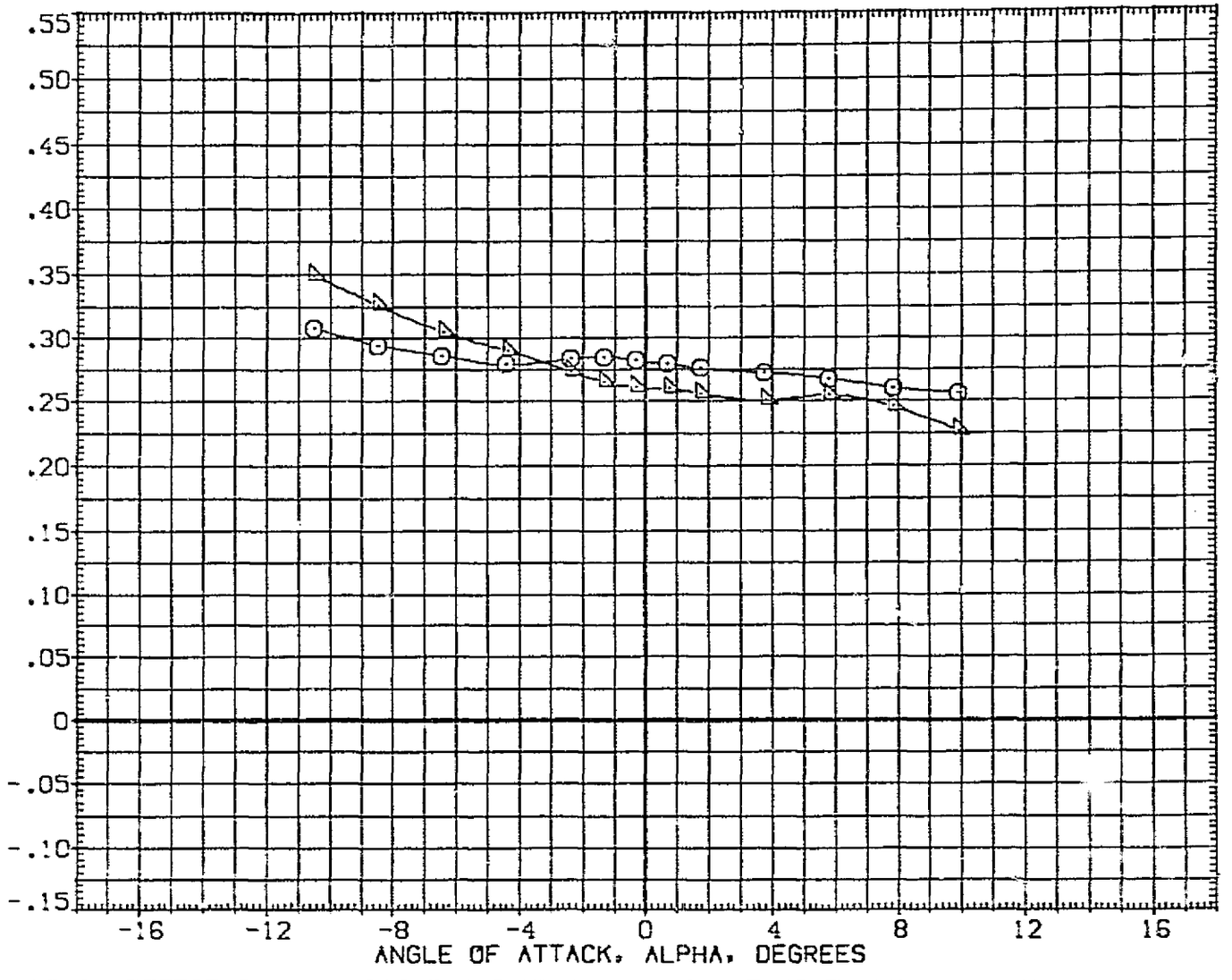


FIGURE 8 EFFECT OF SRB DRAG BUILD-UP ON LAUNCH VEHICLE LONG. CHARACT.

(D)MACH = 3.90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(3-8011)	□	UPWT 1088/1119 (1A-44) CONFIGURATION	02/T4/S1	.000
(3-8010)		DATA NOT AVAILABLE		.000
(3-8009)		DATA NOT AVAILABLE		.000
(3-8008)		DATA NOT AVAILABLE		.000
(3-8003)	◇	LPWT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1280.3000	INCHES
BREF	1280.3000	INCHES
XMRP	975.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

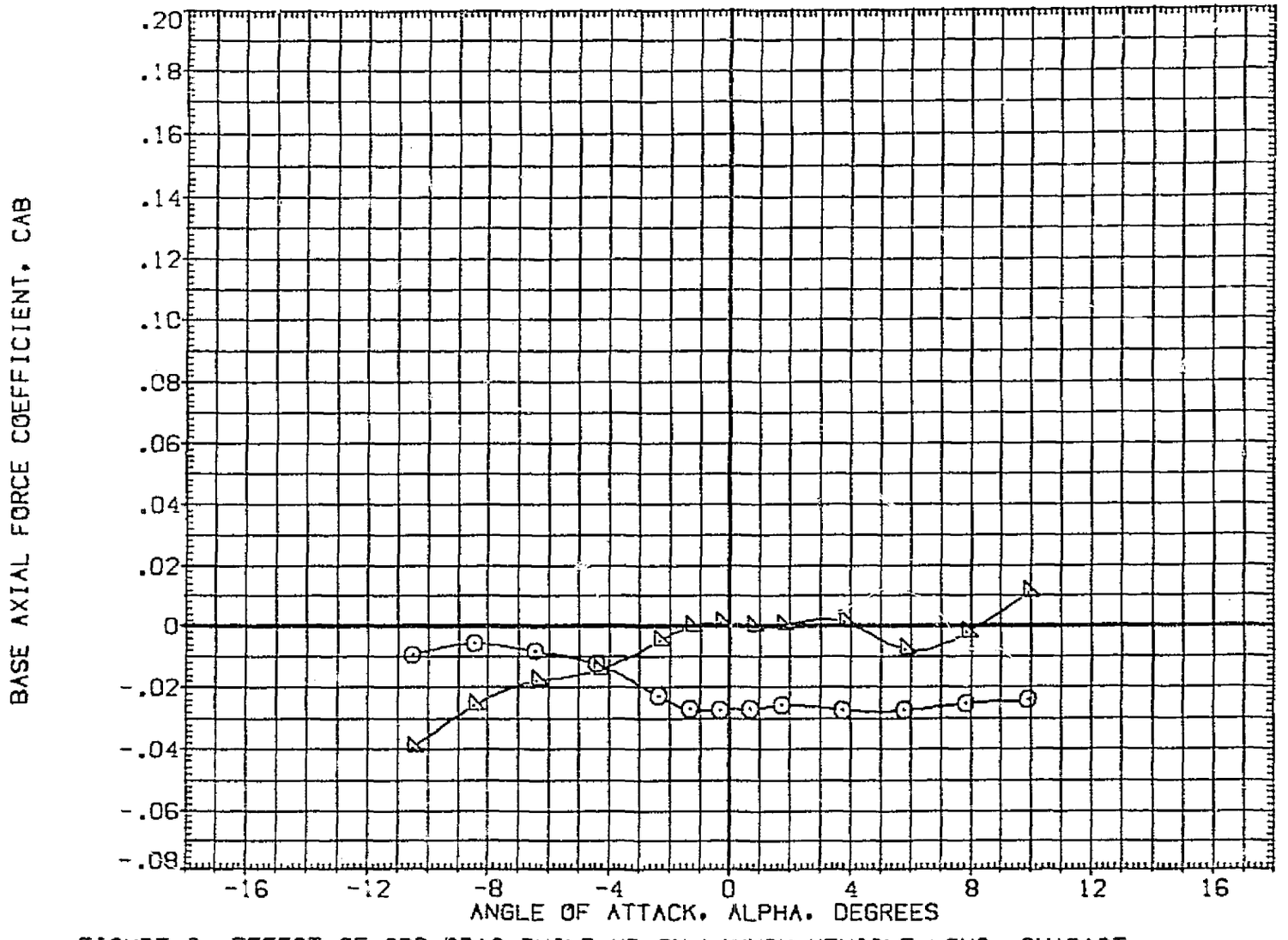


FIGURE 8 EFFECT OF SRB DRAG BUILD-UP ON LAUNCH VEHICLE LONG. CHARACT.

(D)MACH = 3.90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8011)	□	LPVT 1088/1119 (IA-44) CONFIGURATION	02/T4/S1	.000
(B-8010)		DATA NOT AVAILABLE		.000
(B-8009)		DATA NOT AVAILABLE		.000
(B-8008)		DATA NOT AVAILABLE		.000
(B-8003)	◇	LPVT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	975.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

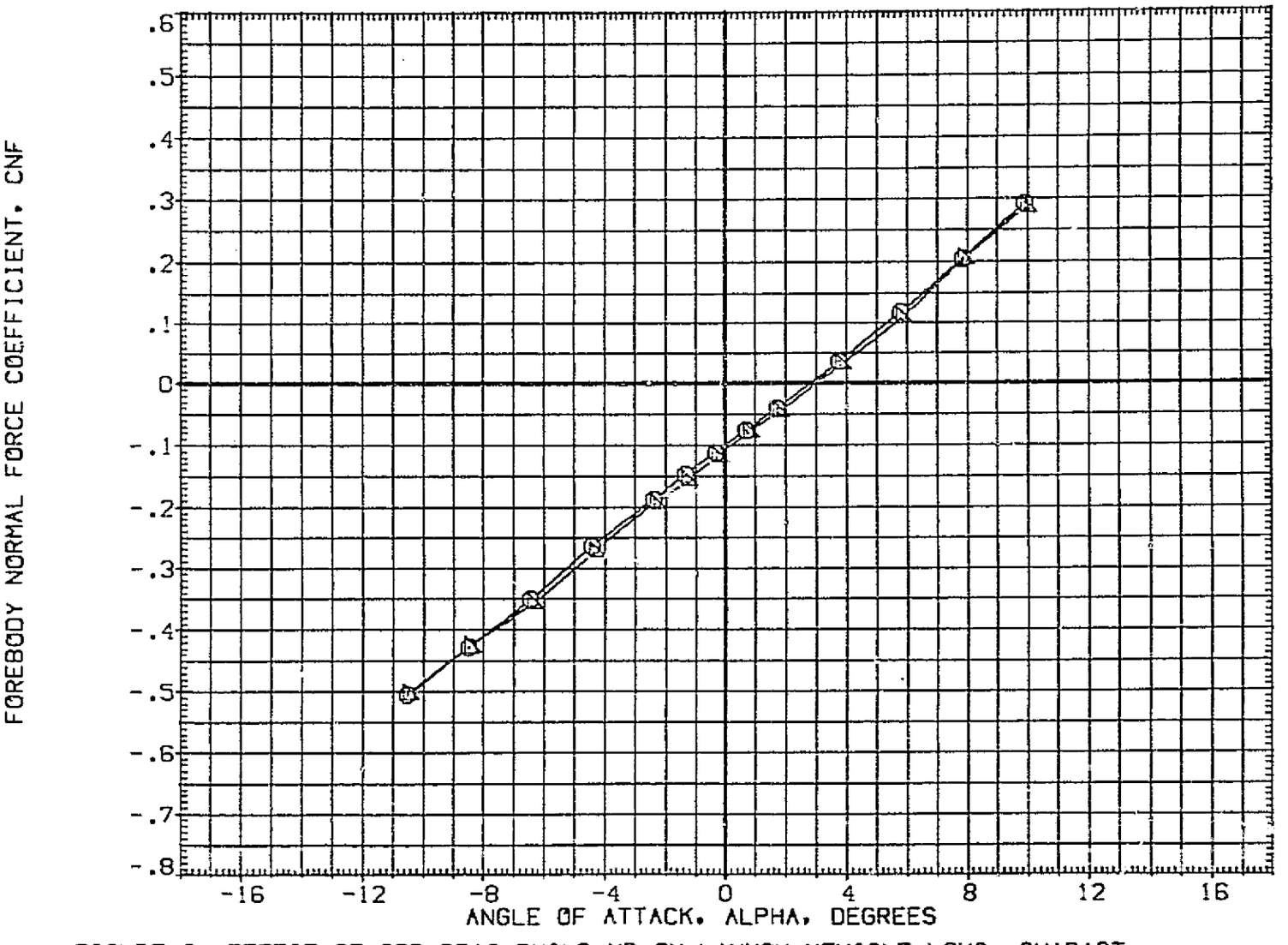


FIGURE 8 EFFECT OF SRB DRAG BUILD-UP ON LAUNCH VEHICLE LONG. CHARACT.

(D)MACH = 3.90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8011)	○	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S1	.000
(B-8010)		DATA NOT AVAILABLE		.000
(B-8009)		DATA NOT AVAILABLE		.000
(B-8008)		DATA NOT AVAILABLE		.000
(B-8003)	◇	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3300	INCHES
BREF	1290.3300	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

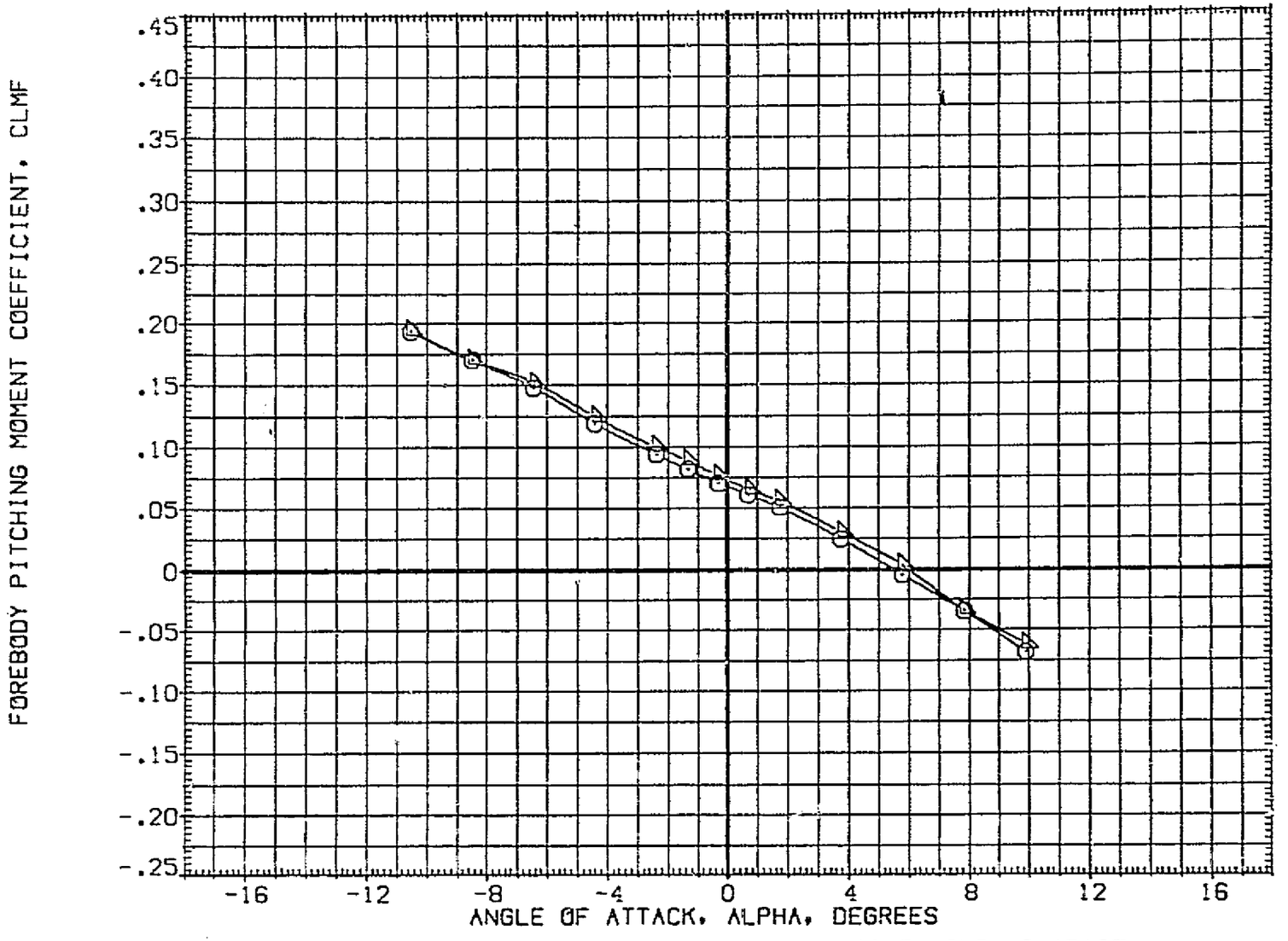


FIGURE 8 EFFECT OF SRB DRAG BUILD-UP ON LAUNCH VEHICLE LONG. CHARACT.

(D)MACH = 3.90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8011)	□	LPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S1	.000
(B-8010)		DATA NOT AVAILABLE		.000
(B-8009)		DATA NOT AVAILABLE		.000
(B-8008)		DATA NOT AVAILABLE		.000
(B-8003)	▽	LPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

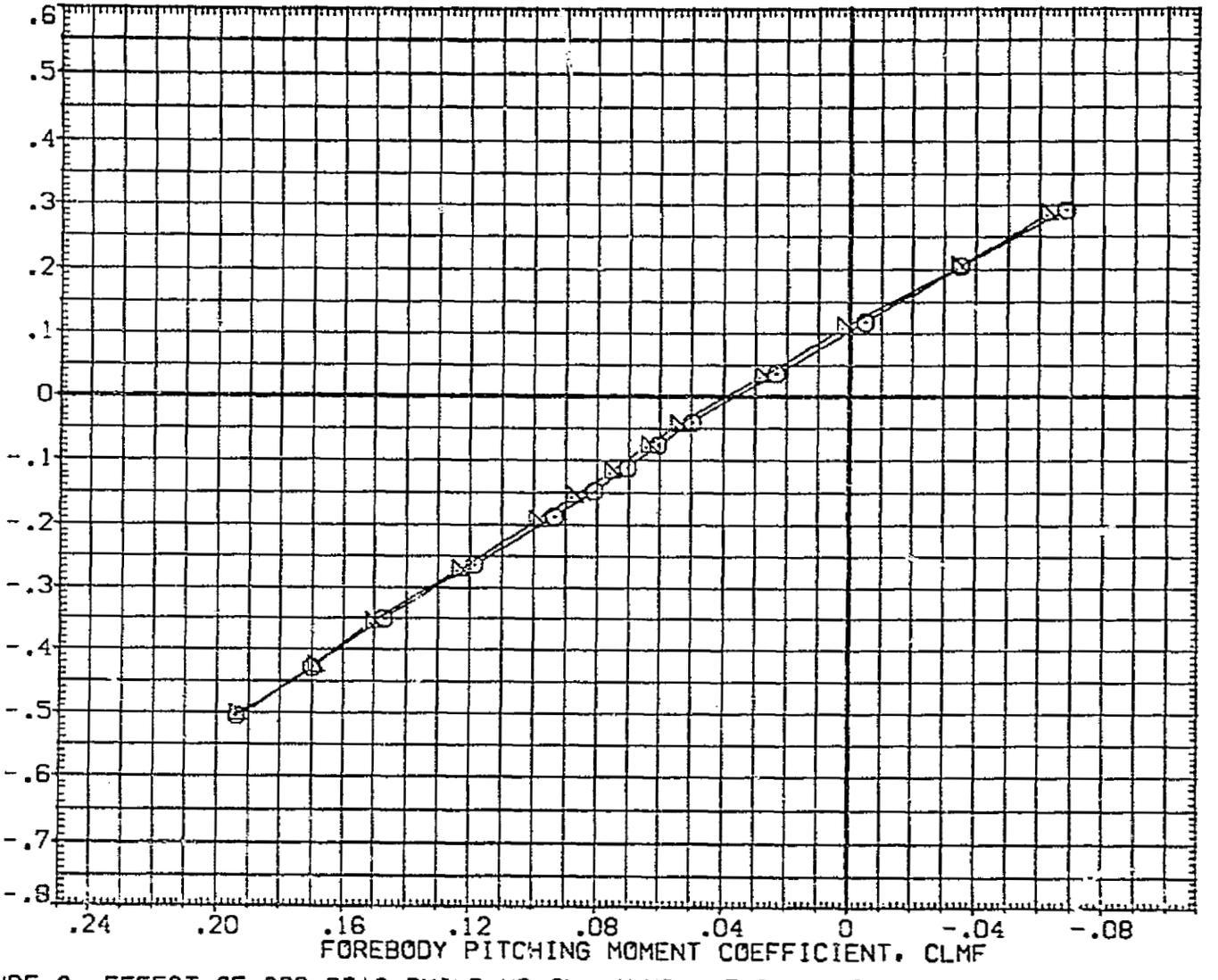


FIGURE 8 EFFECT OF SRB DRAG BUILD-UP ON LAUNCH VEHICLE LONG. CHARACT.

(D)MACH = 3.90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8011)	□	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S1	.000
(B-8010)	◇	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S2	.000
(B-8009)	⋈	DATA NOT AVAILABLE		.000
(B-8008)	▷	DATA NOT AVAILABLE		.000
(B-8003)	△	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1280.3000	INCHES
BREF	1280.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

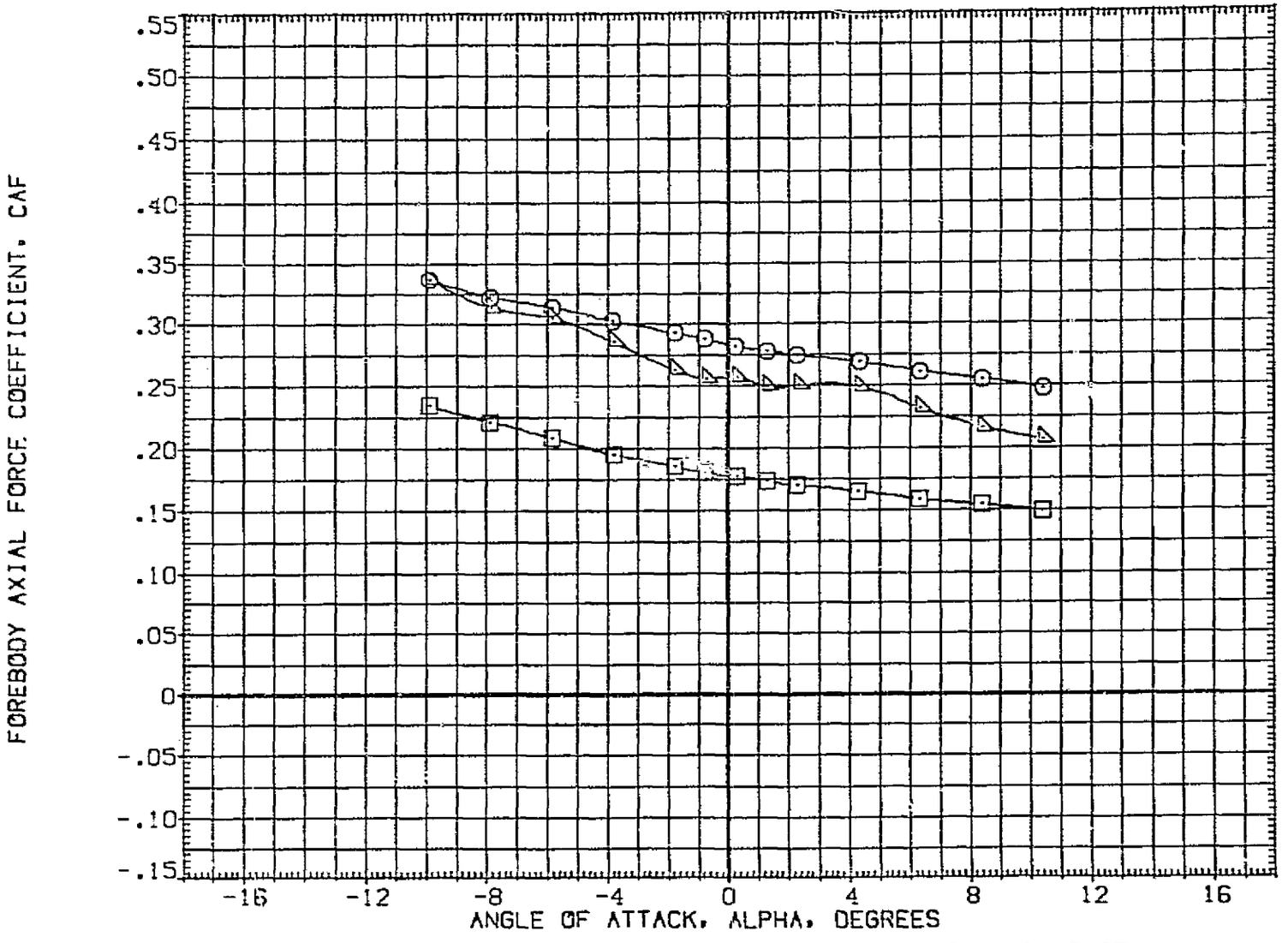


FIGURE 8 EFFECT OF SRB DRAG BUILD-UP ON LAUNCH VEHICLE LONG. CHARACT.

(E)MACH = 4.60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8011)	□	UPWT 1038/1119 (1A-44) CONFIGURATION	02/T4/S1	.000
(B-8010)	○	UPWT 1038/1119 (1A-44) CONFIGURATION	02/T4/S2	.000
(B-8009)	◇	DATA NOT AVAILABLE		.000
(B-8008)	△	DATA NOT AVAILABLE		.000
(B-8003)	▽	UPWT 1038/1119 (1A-44) CONFIGURATION	02/T4/S7	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0300	IN. ZT
SCALE	.0100	

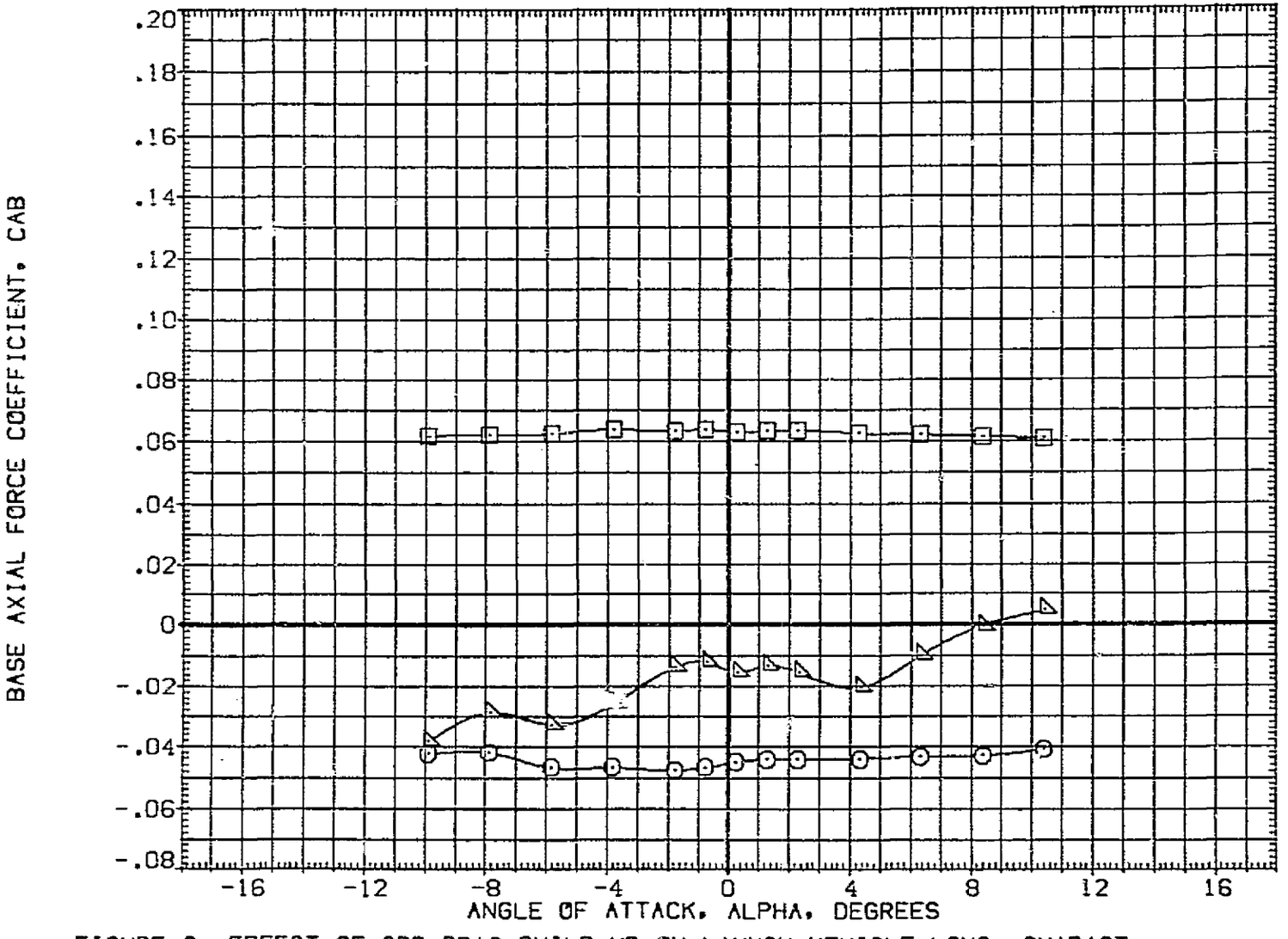


FIGURE 8 EFFECT OF SRB DRAG BUILD-UP ON LAUNCH VEHICLE LONG. CHARACT.

(E)MACH = 4.60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8011)	□	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S1	.000
(B-8010)	◇	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S2	.000
(B-8009)		DATA NOT AVAILABLE		.000
(B-8008)	▽	DATA NOT AVAILABLE		.000
(B-8003)	△	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

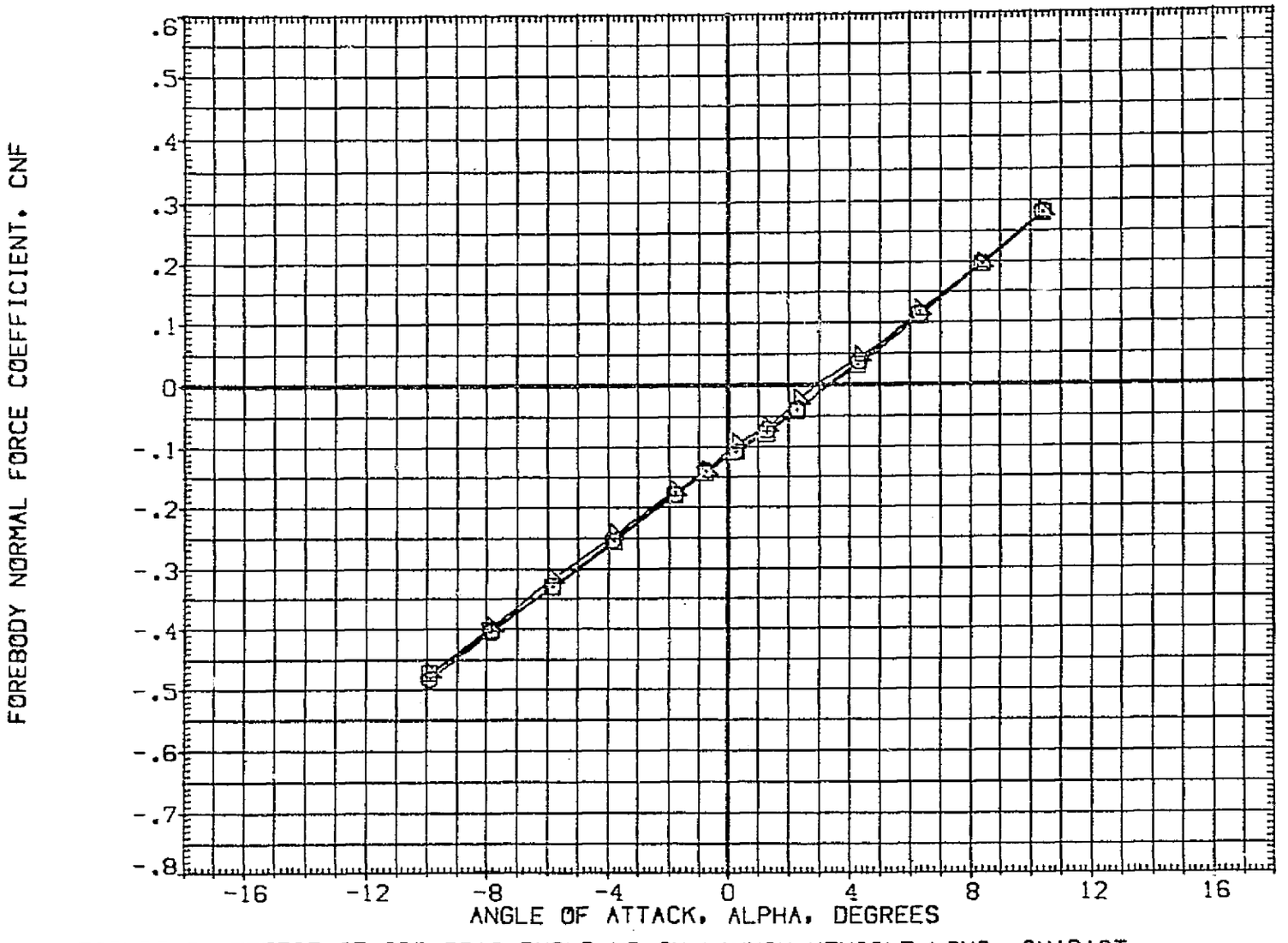


FIGURE 8 EFFECT OF SRB DRAG BUILD-UP ON LAUNCH VEHICLE LONG. CHARACT.

(E)MACH = 4.60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8011)	□	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S1	.000
(B-8010)	△	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S2	.000
(B-8009)	◇	DATA NOT AVAILABLE		.000
(B-8008)	▽	DATA NOT AVAILABLE		.000
(B-8003)	◁	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

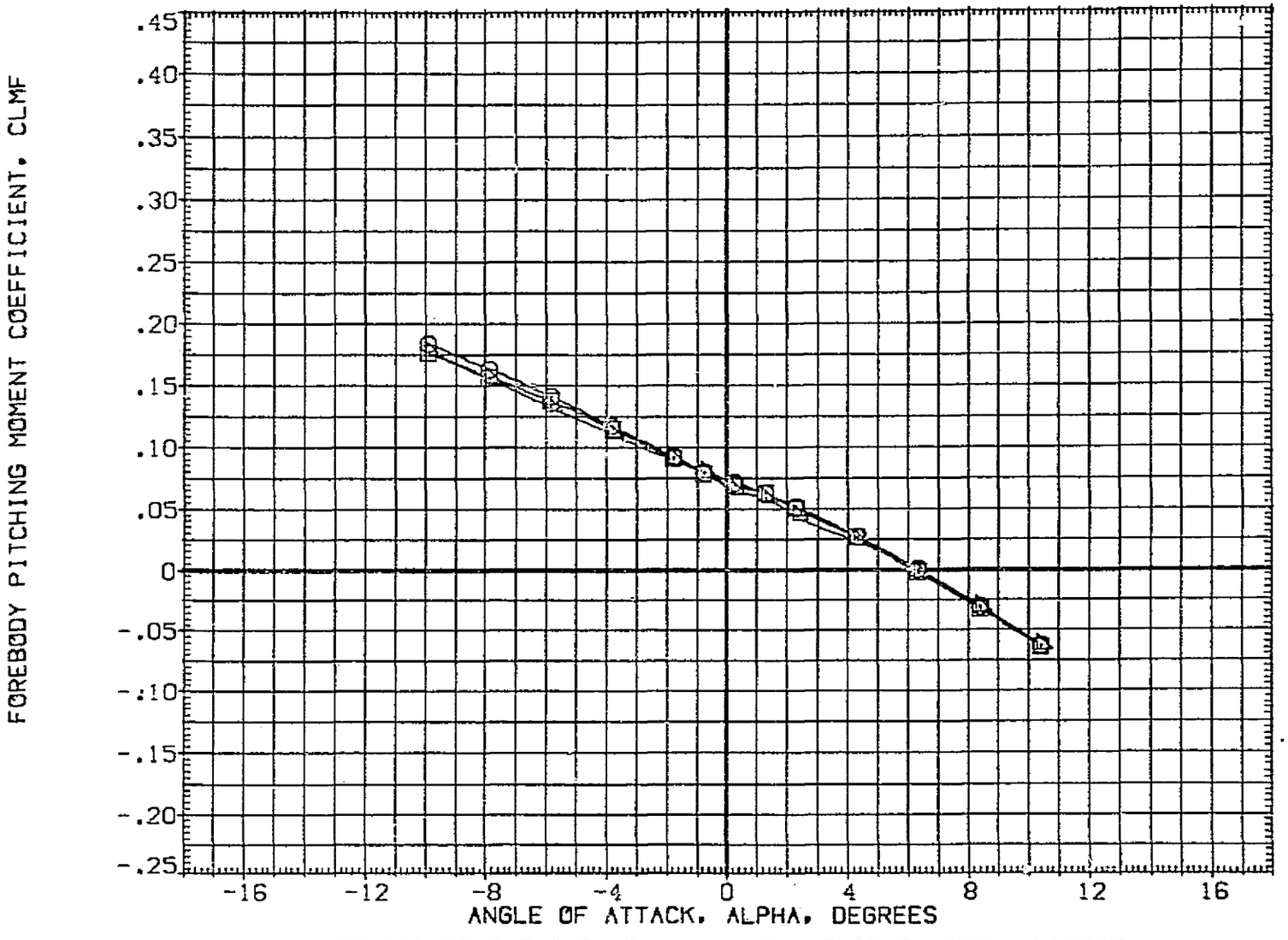


FIGURE 8 EFFECT OF SRB DRAG BUILD-UP ON LAUNCH VEHICLE LONG. CHARACT.

(E)MACH = 4.60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8011)	□	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S1	.000
(B-8010)	◇	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S2	.000
(B-8009)	△	DATA NOT AVAILABLE		.000
(B-8008)	▽	DATA NOT AVAILABLE		.000
(B-8003)	◁	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

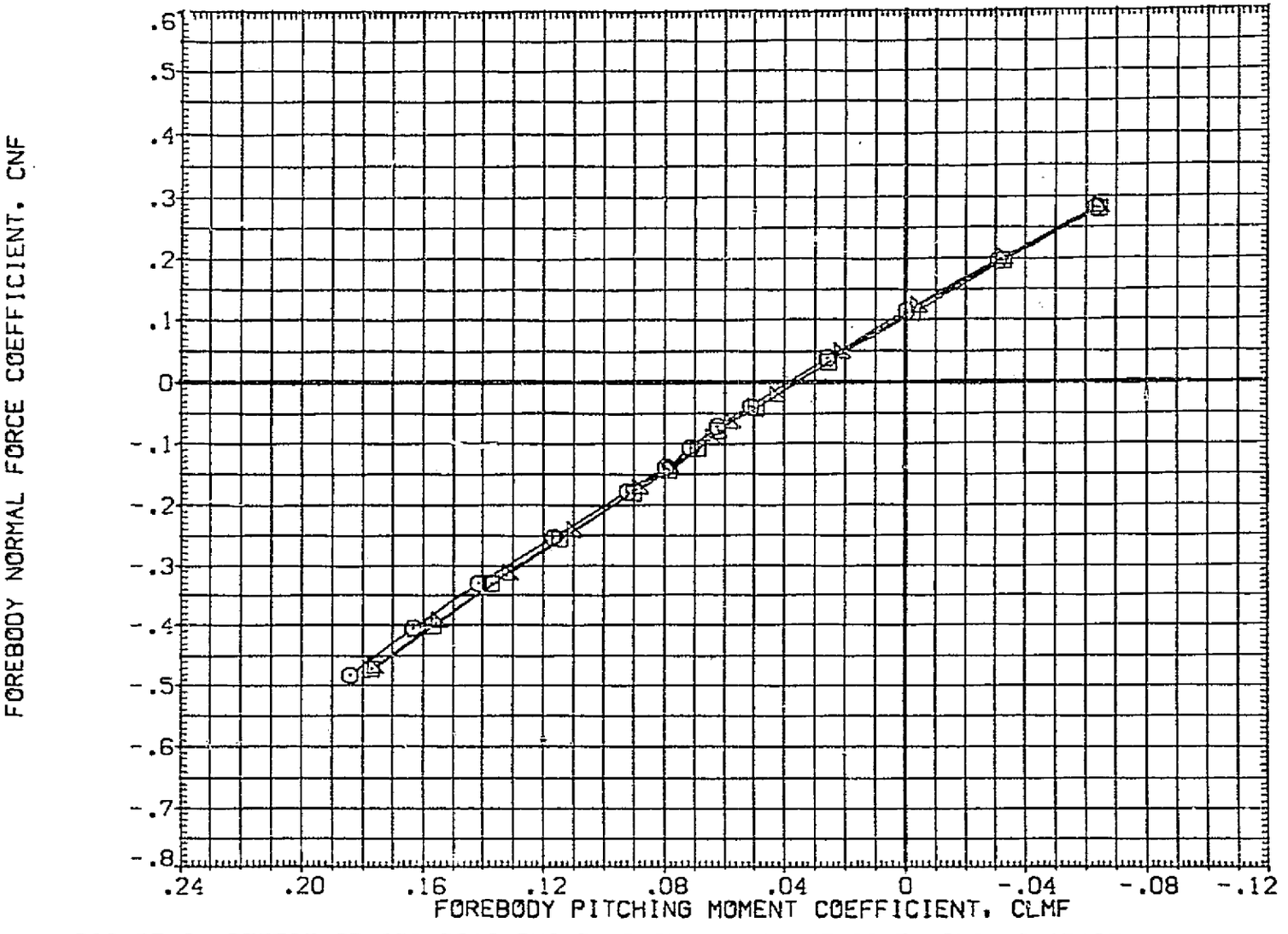


FIGURE 8 EFFECT OF SRB DRAG BUILD-UP ON LAUNCH VEHICLE LONG. CHARACT.

(E)MACH = 4.60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8003)	○	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
(B-8007)	□	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T2/S7	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

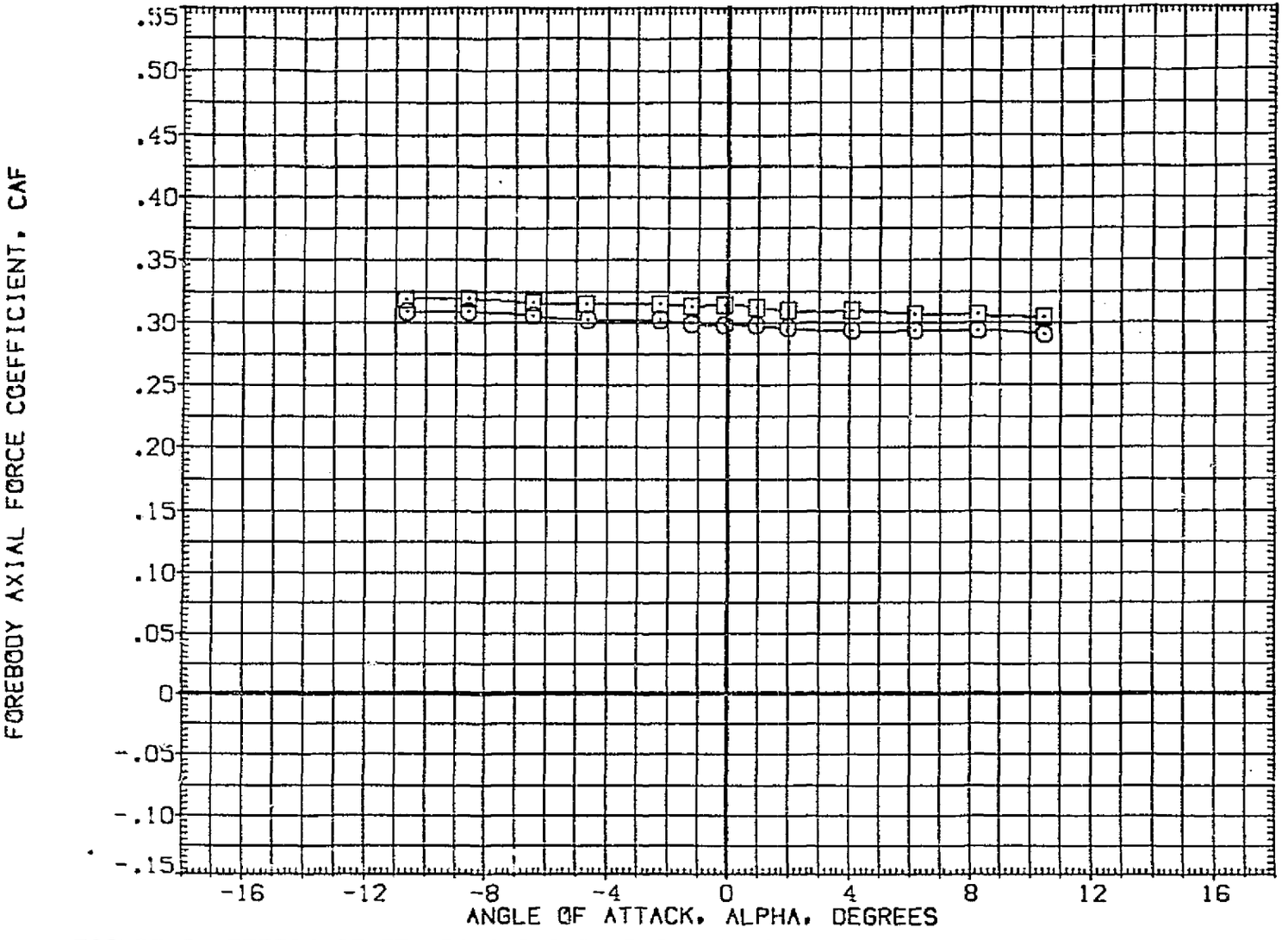


FIGURE 9 EFFECT OF ET DRAG BUILD-UP ON LAUNCH VEHICLE LONG. CHARACT.

(A)MACH = 1.60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8003)	○	LPVT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	.000
(B-8007)	□	LPVT 1088/1119 (1A-44) CONFIGURATION	02/T2/S7	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

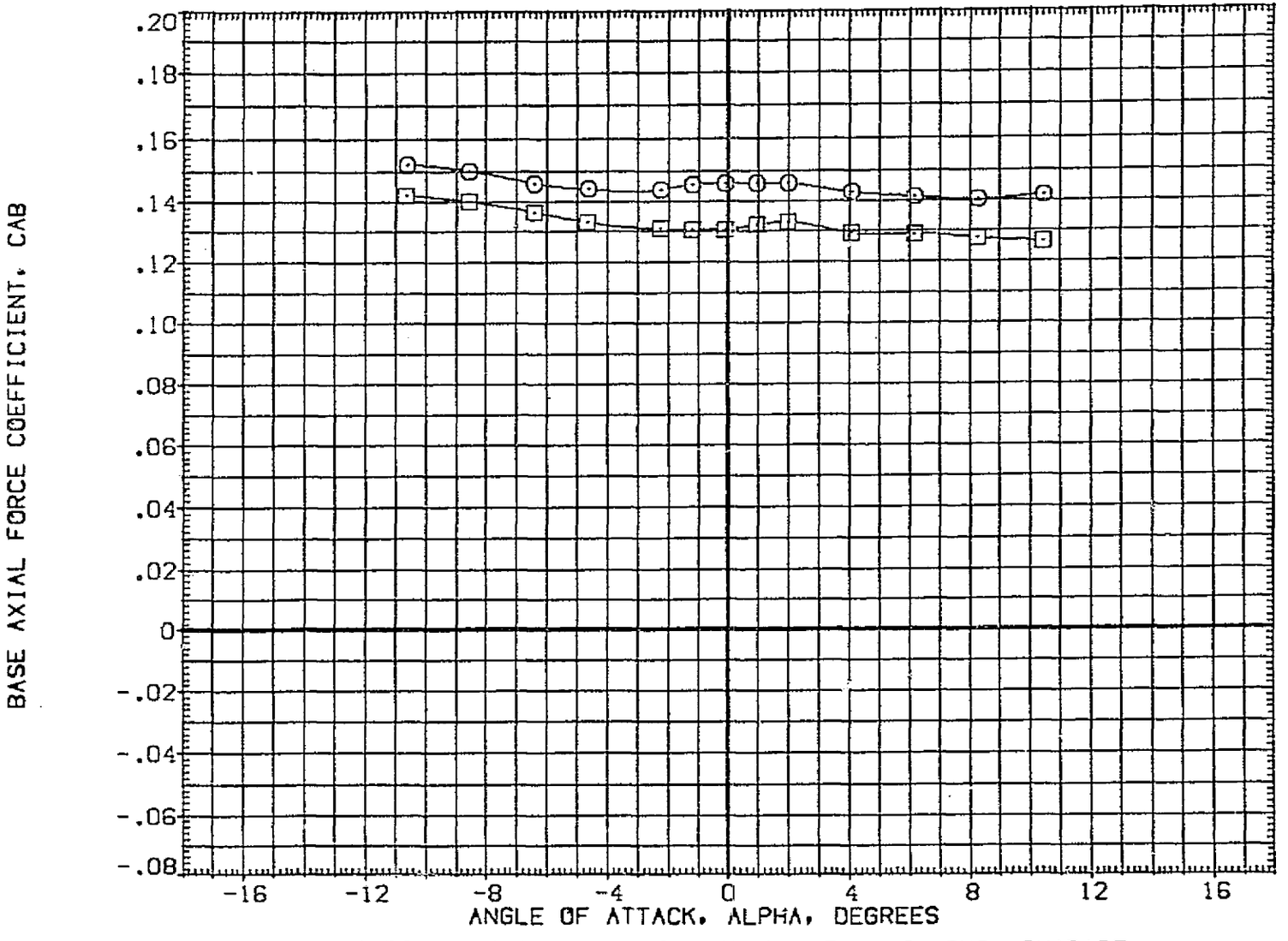


FIGURE 9 EFFECT OF ET DRAG BUILD-UP ON LAUNCH VEHICLE LONG. CHARACT.

(A)MACH = 1.60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8003)	○	LPVT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	.000
(B-8007)	□	LPVT 1088/1119 (1A-44) CONFIGURATION	02/T2/S7	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

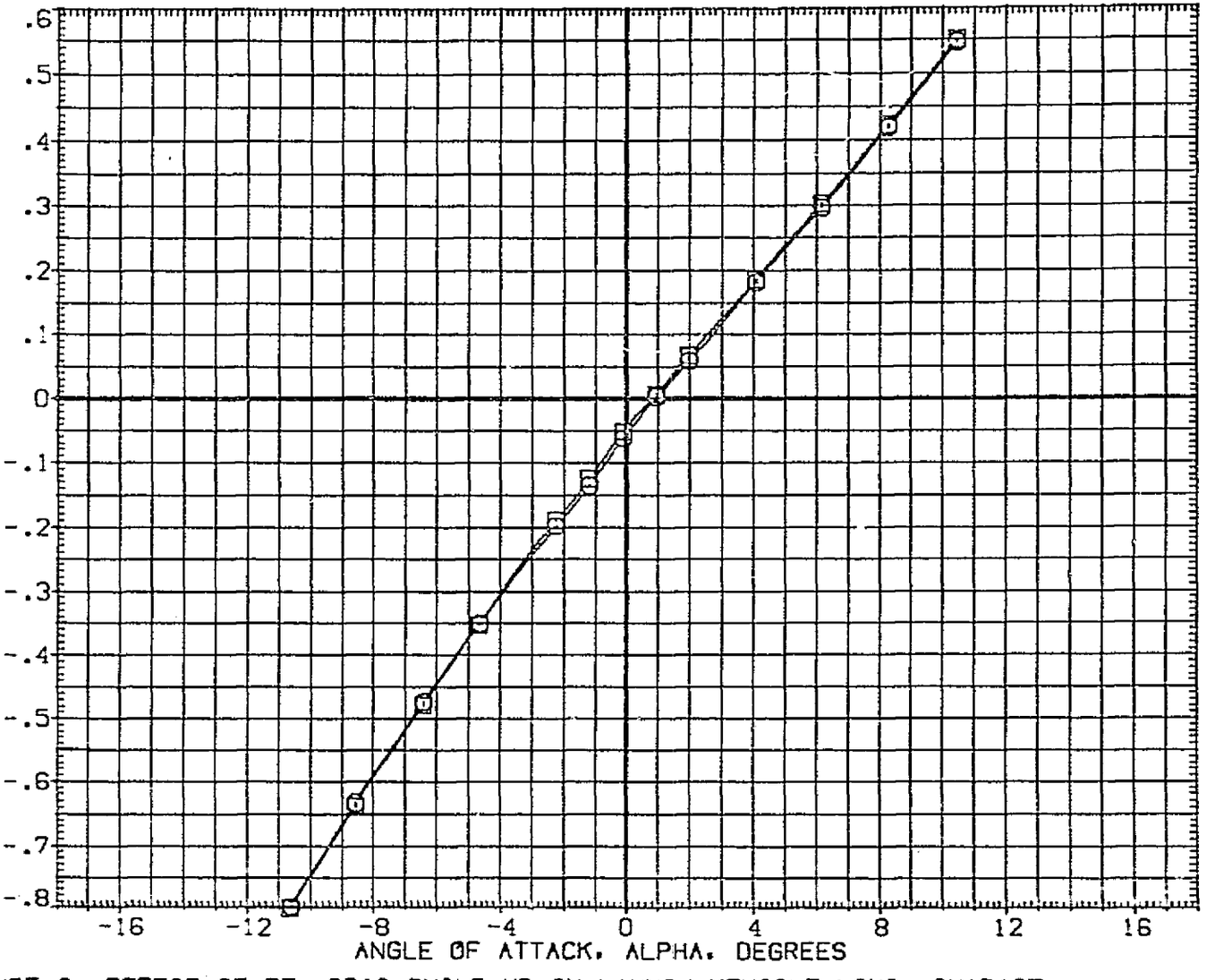


FIGURE 9 EFFECT OF ET DRAG BUILD-UP ON LAUNCH VEHICLE LONG. CHARACT.

(A)MACH = 1.60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(3-8003)	○	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
(3-8007)	—	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T2/S7	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

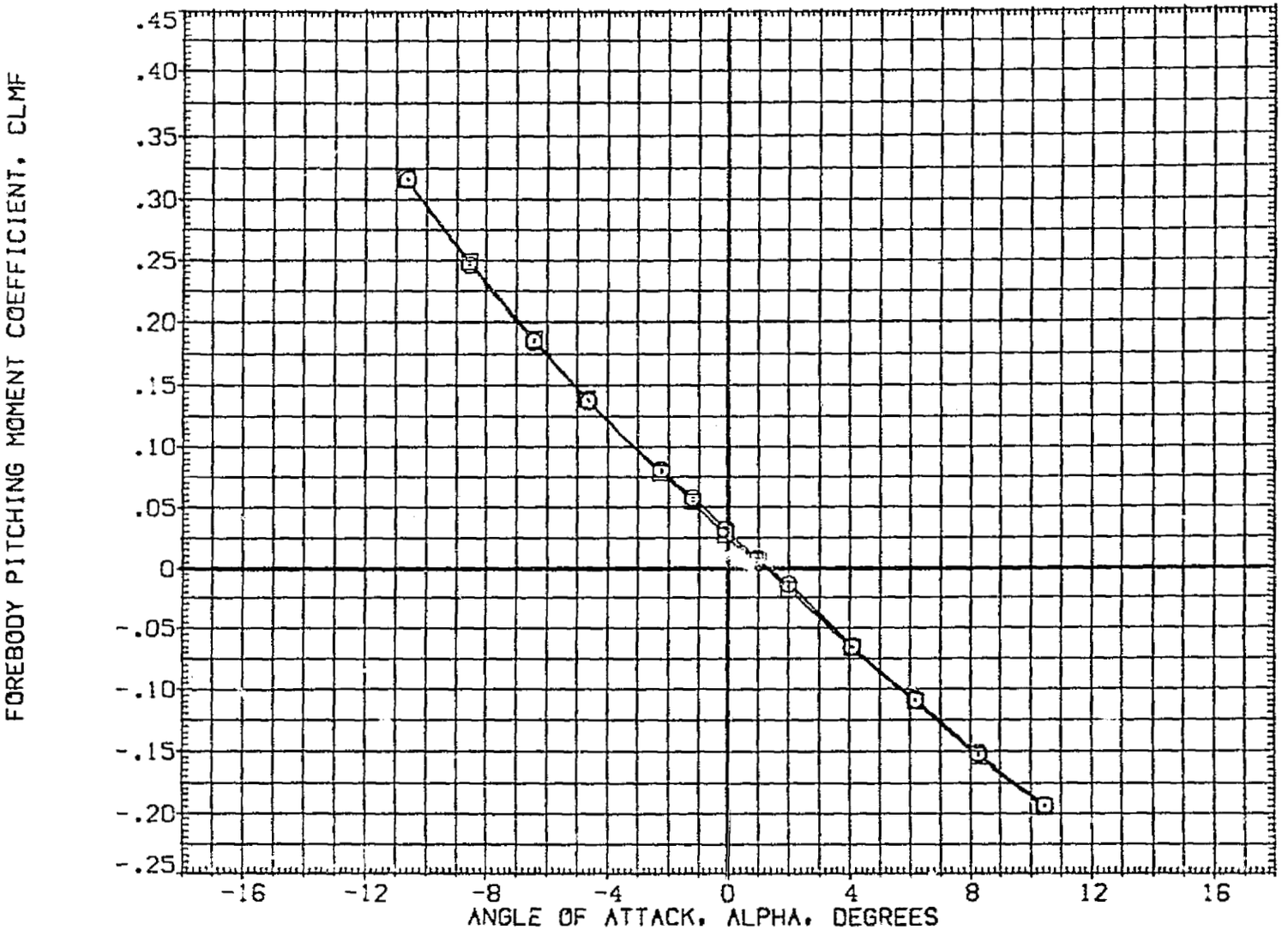


FIGURE 9 EFFECT OF ET DRAG BUILD-UP ON LAUNCH VEHICLE LONG. CHARACT.

(A)MACH = 1.60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8003)	○	LPVT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
(B-8007)	□	LPVT 1088/1119 (IA-44) CONFIGURATION	02/T2/S7	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

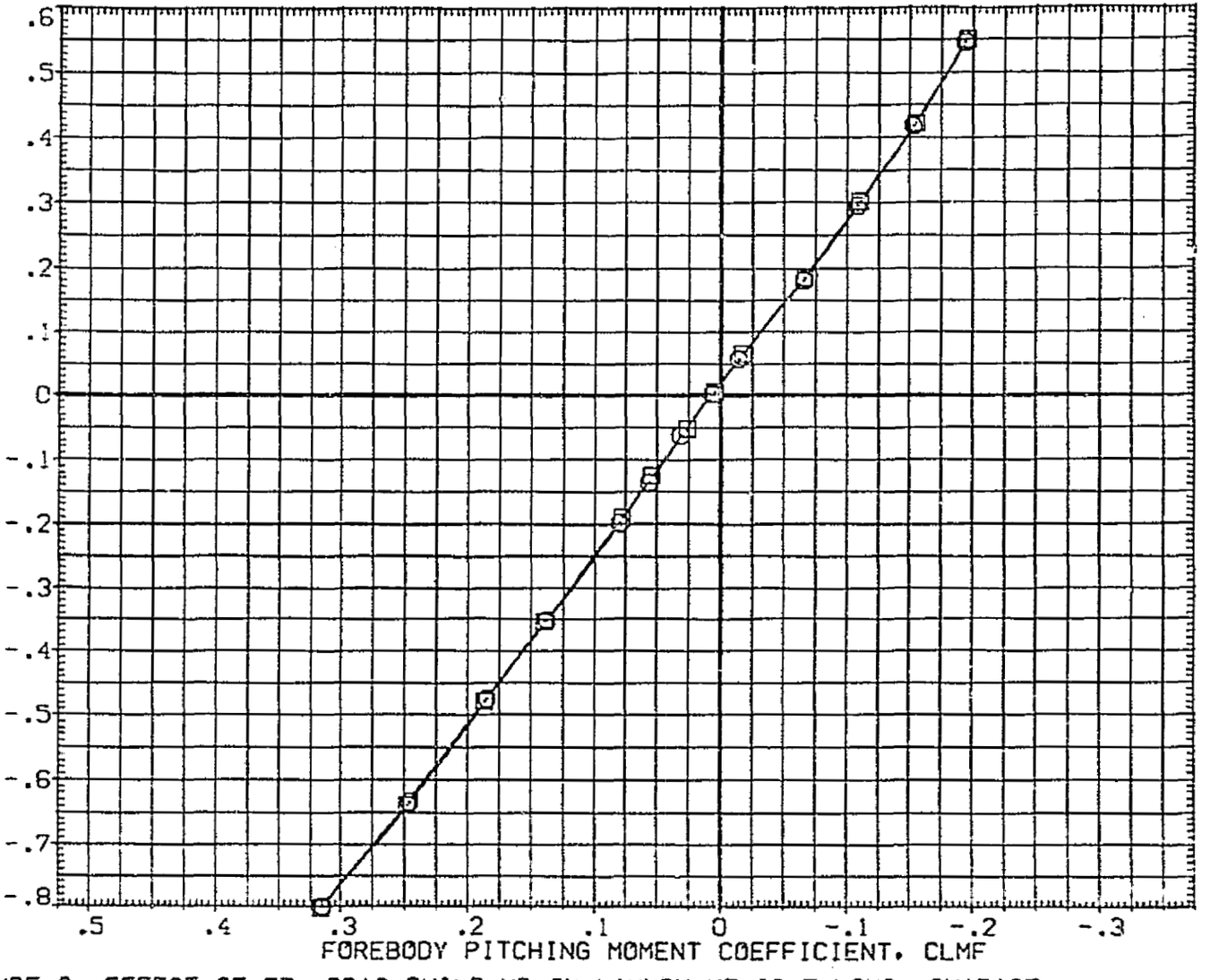


FIGURE 9 EFFECT OF ET DRAG BUILD-UP ON LAUNCH VEHICLE LONG. CHARACT.

(A)MACH = 1.60

DATA SET SYMBOL		CONFIGURATION DESCRIPTION		BETA
[B-6003]	○	LPWT 1088/1119 [IA-44] CONFIGURATION	02/T4/S7	.000
[B-6007]	□	LPWT 1088/1119 [IA-44] CONFIGURATION	02/T2/S7	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

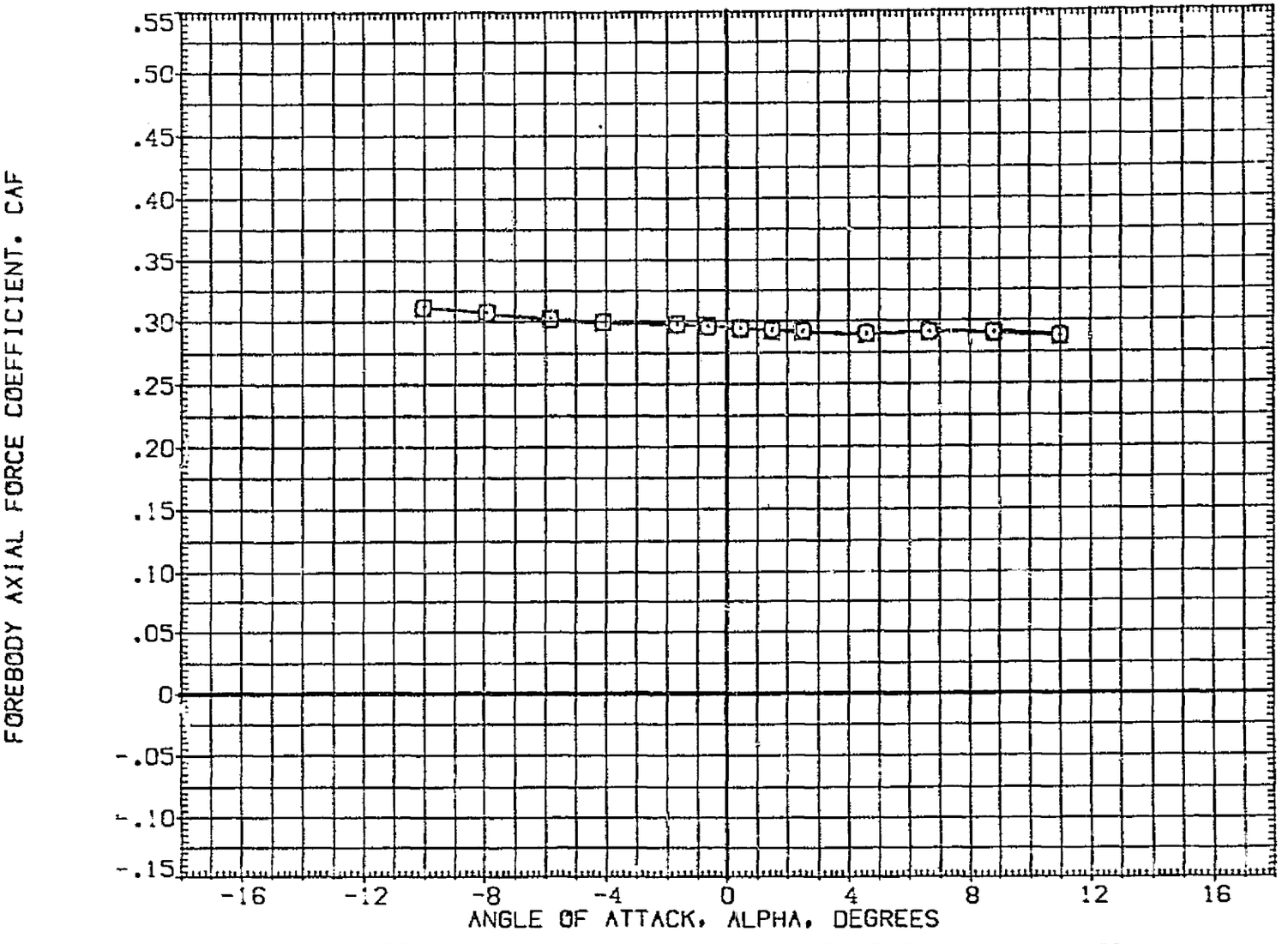


FIGURE 9 EFFECT OF ET DRAG BUILD-UP ON LAUNCH VEHICLE LONG. CHARACT.

(B)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8003)	□	LPVT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
(B-8007)	□	LPVT 1088/1119 (IA-44) CONFIGURATION	02/T2/S7	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

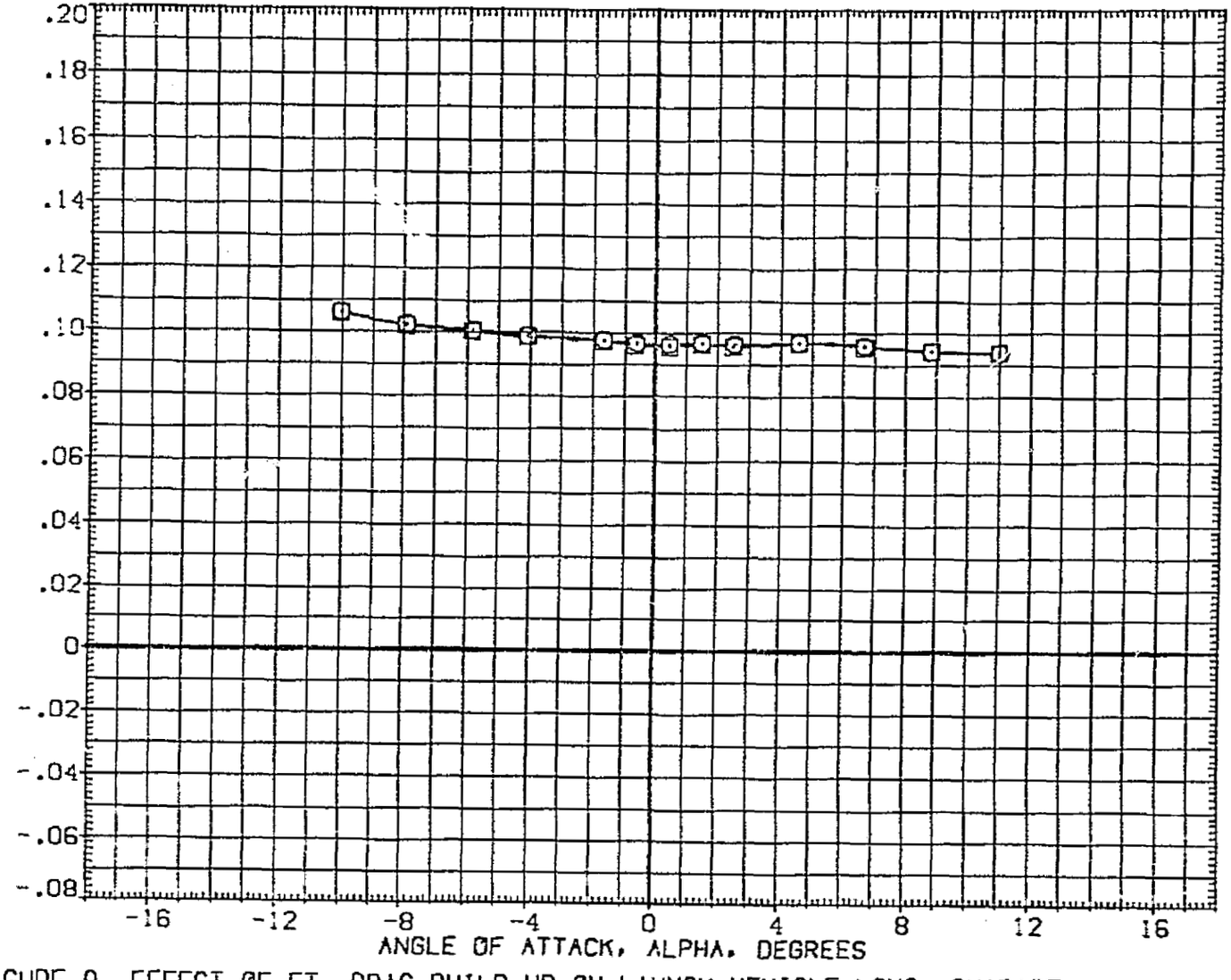


FIGURE 9 EFFECT OF ET DRAG BUILD-UP ON LAUNCH VEHICLE LONG. CHARACT.

$(B)^{MACH}$ = 2.00

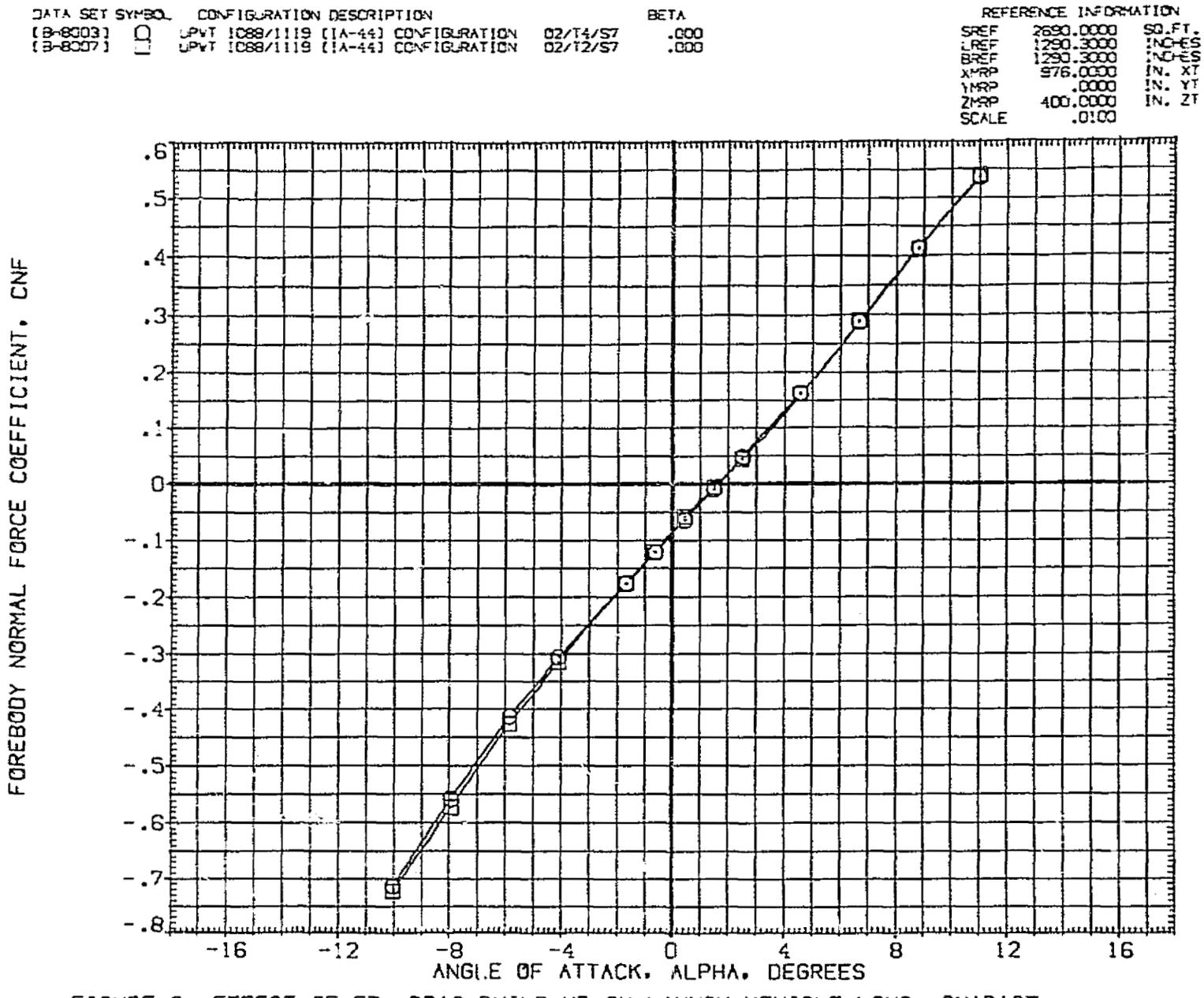


FIGURE 9 EFFECT OF ET DRAG BUILD-UP ON LAUNCH VEHICLE LONG. CHARACT.

(B)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(B-8003)	○	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
(B-8007)	□	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T2/S7	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1293.3000	INCHES
BREF	1293.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

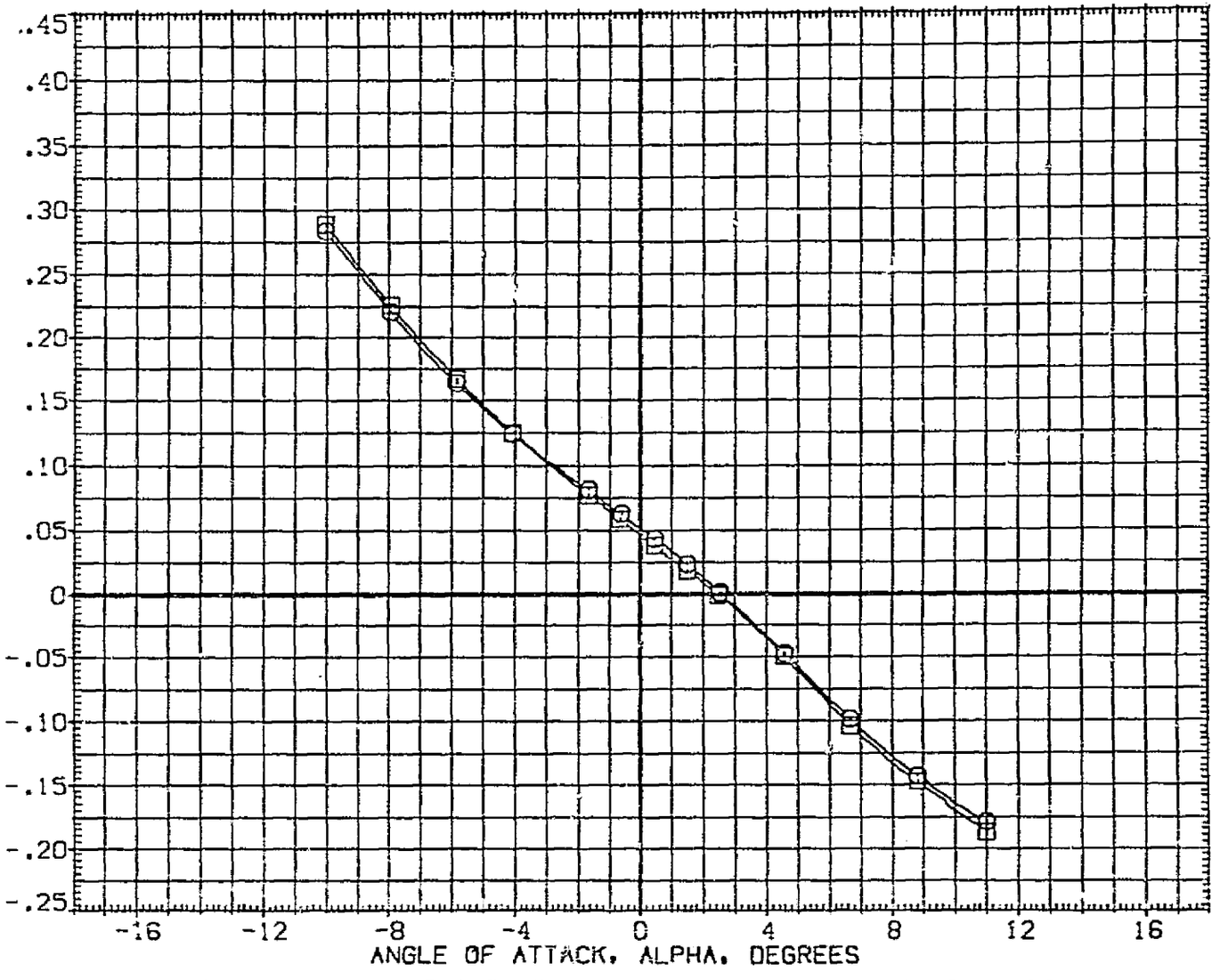


FIGURE 9 EFFECT OF ET DRAG BUILD-UP ON LAUNCH VEHICLE LONG. CHARACT.

(B)MACH = 2.00

DATA SET SYMBOL		CONFIGURATION DESCRIPTION		BETA
(B-8003)	□	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000
(B-8007)	□	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T2/S7	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

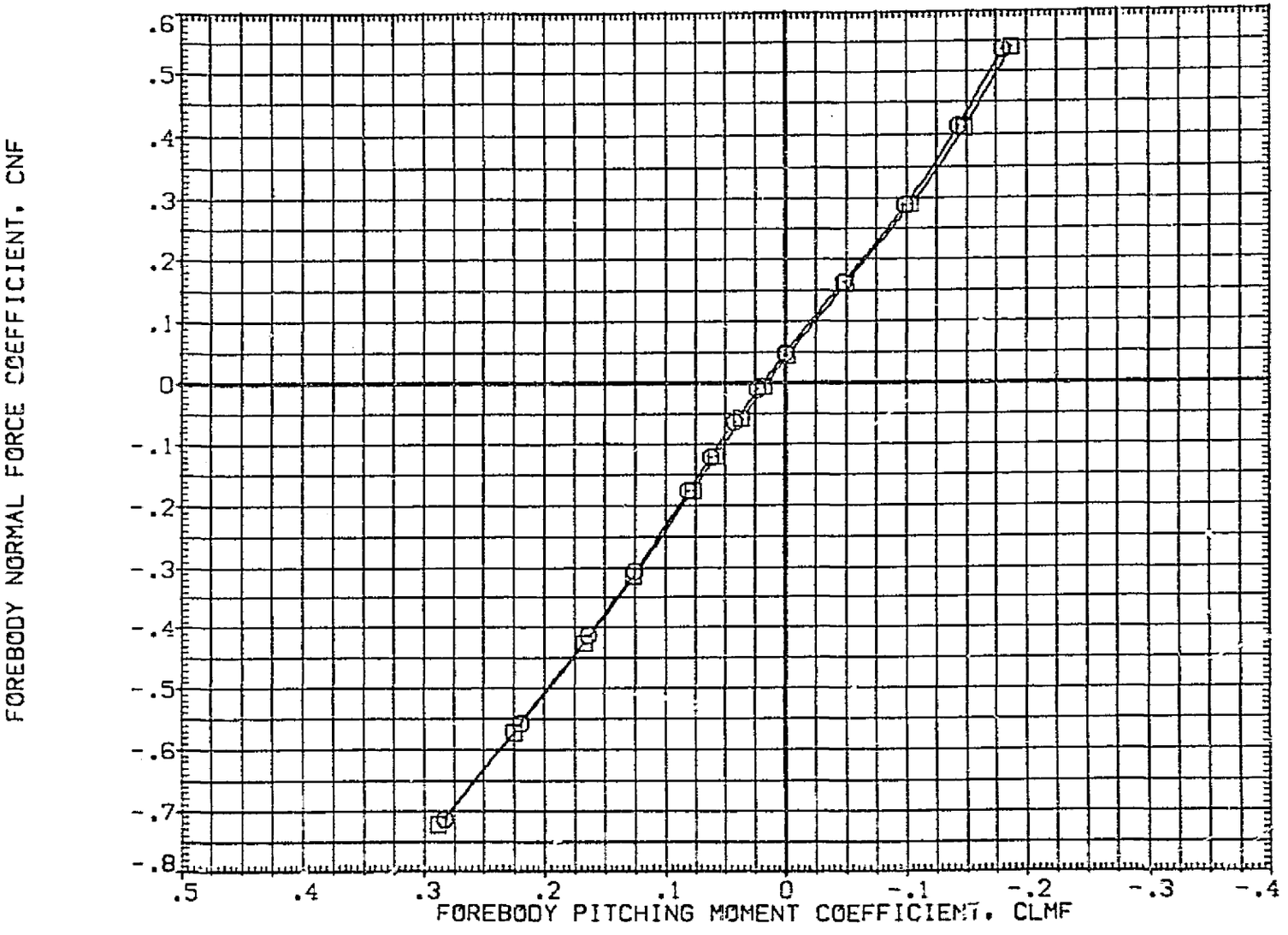


FIGURE 9 EFFECT OF ET DRAG BUILD-UP ON LAUNCH VEHICLE LONG. CHARACT.

(B)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELV-LO	ELV-LI	ELV-RI	ELV-RO
(B-8003)	□	UPWT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	.000	.000	.000	.000
(B-8017)	△	UPWT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	.000	4.000	4.000	.000
(B-8014)	◇	UPWT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	.000	8.000	8.000	.000
(B-8016)	▽	UPWT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	-4.000	8.000	8.000	-4.000
(B-8015)	⋈	UPWT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	-8.000	8.000	8.000	-8.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

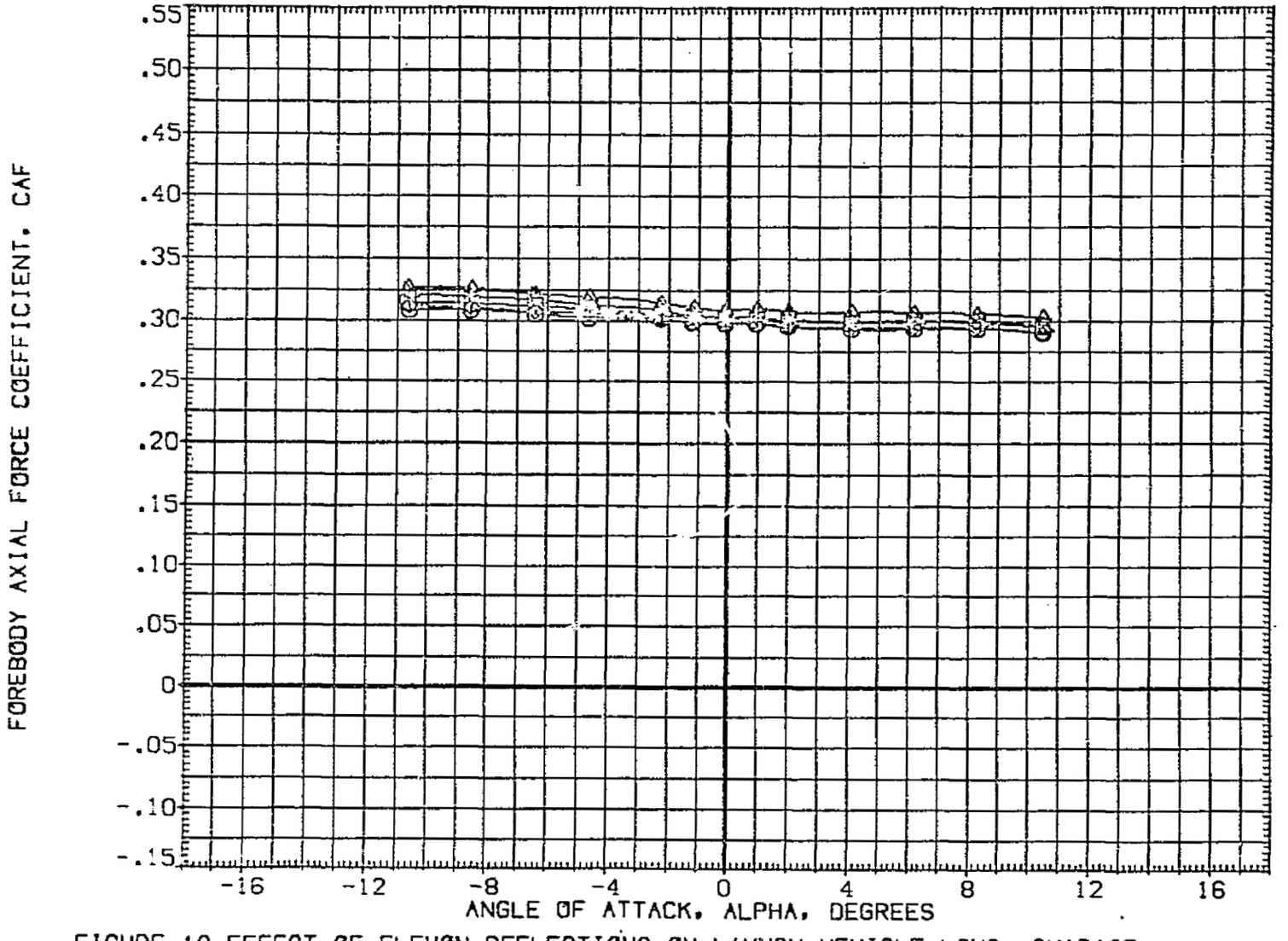


FIGURE 10 EFFECT OF ELEVON DEFLECTIONS ON LAUNCH VEHICLE LONG. CHARACT.

(A)MAC→ = 1.60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELV-LO	ELV-LI	ELV-RI	ELV-RO
[B-8003]	□	UPWT 1088/1119 [IA-44] CONFIGURATION	02/T4/S7	.000	.000	.000	.000
[B-8017]	◇	UPWT 1088/1119 [IA-44] CONFIGURATION	02/T4/S7	.000	4.000	4.000	.000
[B-8014]	△	UPWT 1088/1119 [IA-44] CONFIGURATION	02/T4/S7	.000	8.000	8.000	.000
[B-8016]	⋈	UPWT 1088/1119 [IA-44] CONFIGURATION	02/T4/S7	-4.000	8.000	8.000	-4.000
[B-8015]	▽	UPWT 1088/1119 [IA-44] CONFIGURATION	02/T4/S7	-8.000	8.000	8.000	-8.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1280.3000	INCHES
BREF	1280.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

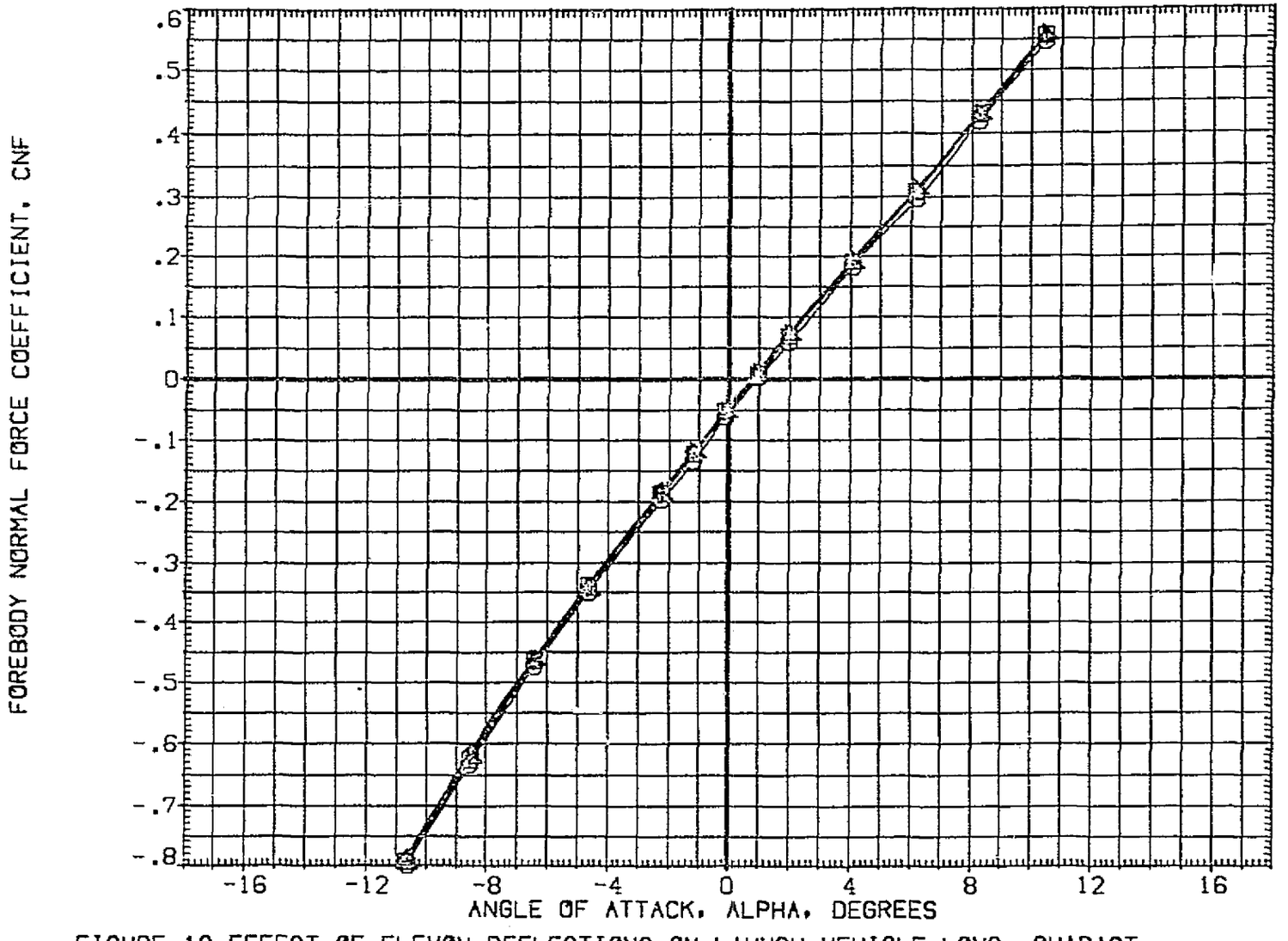


FIGURE 10 EFFECT OF ELEVON DEFLECTIONS ON LAUNCH VEHICLE LONG. CHARACT.

(A)MACH = 1.60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELV-LO	ELV-LI	ELV-RI	ELV-RO
(B-8003)	□	LPWT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	.000	.000	.000	.000
(B-8017)		LPWT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	.000	4.000	4.000	.000
(B-8014)	◇	LPWT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	.000	8.000	8.000	.000
(B-8016)		LPWT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	-4.000	8.000	8.000	-4.000
(B-8015)	△	LPWT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	-8.000	8.000	8.000	-8.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

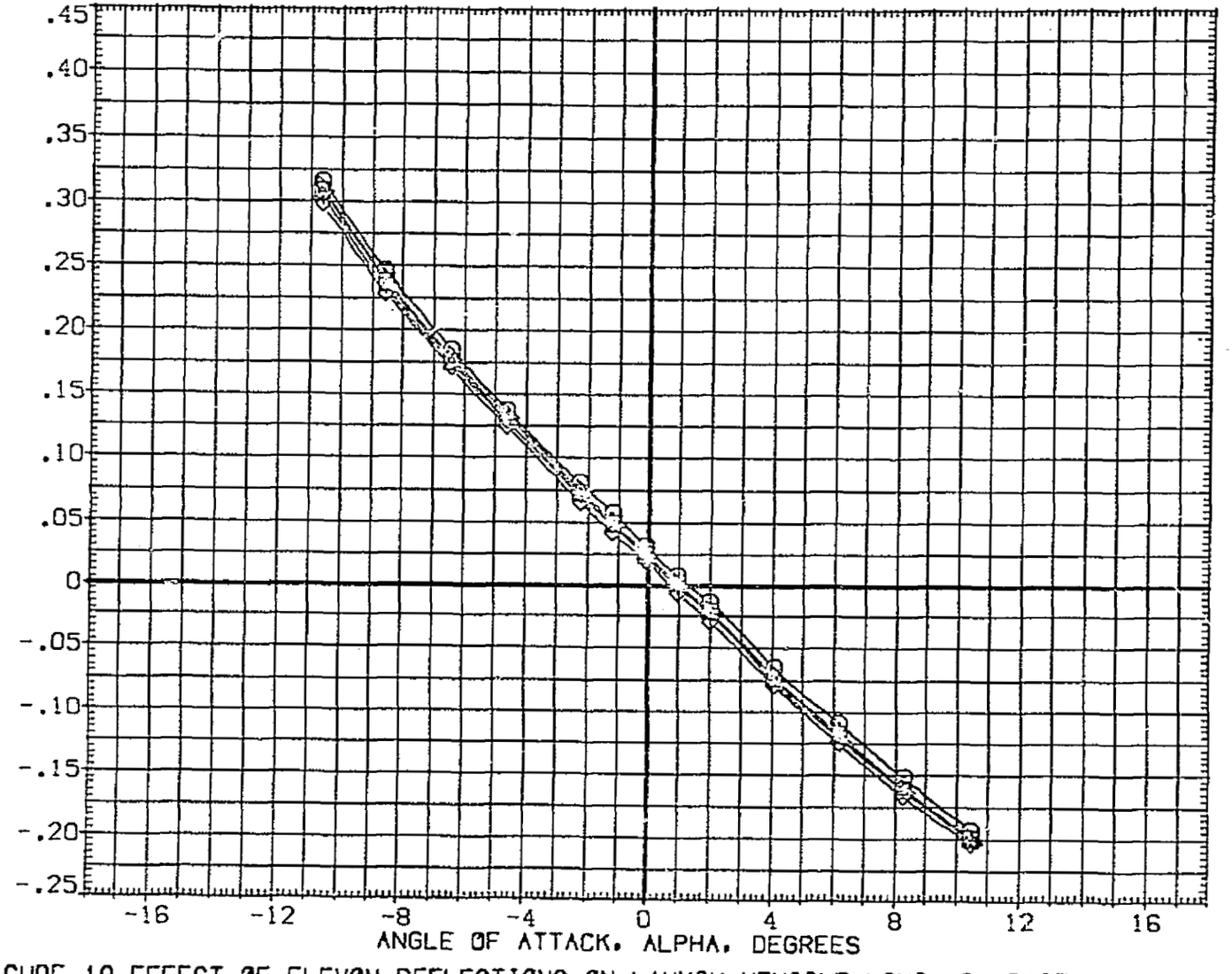


FIGURE 10 EFFECT OF ELEVON DEFLECTIONS ON LAUNCH VEHICLE LONG. CHARACT.

(A)MACH = 1.60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELV-LO	ELV-LI	ELV-RI	ELV-RO
(B-8003)	□	GPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000	.000	.000	.000
(B-8017)	△	GPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000	4.000	4.000	.000
(B-8014)	◇	GPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000	8.000	8.000	.000
(B-8016)	▽	GPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	-4.000	8.000	8.000	-4.000
(B-8015)	⊲	GPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	-8.000	8.000	8.000	-8.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

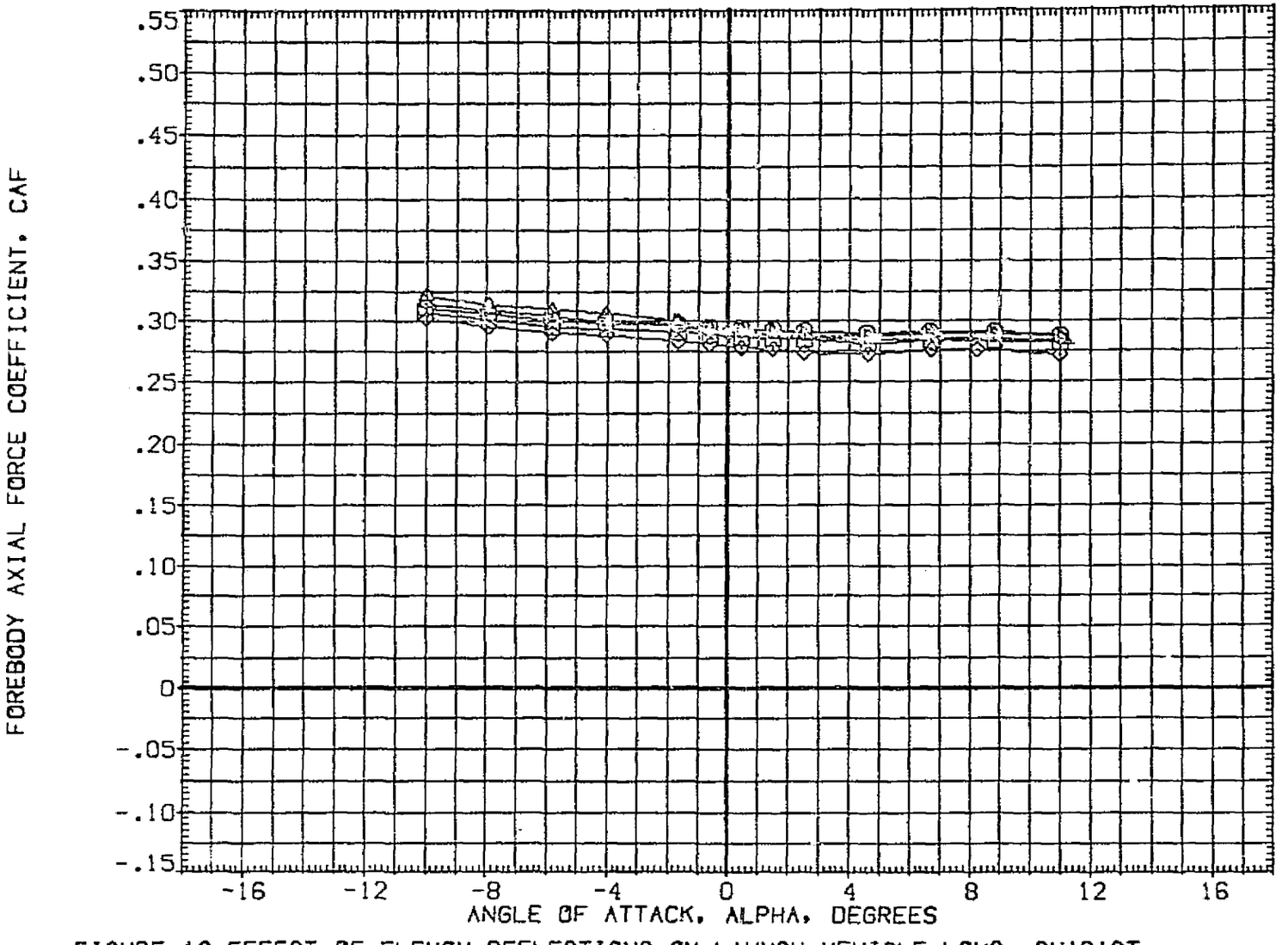


FIGURE 10 EFFECT OF ELEVON DEFLECTIONS ON LAUNCH VEHICLE LONG. CHARACT.

(B)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELV-LO	ELV-LI	ELV-RI	ELV-RO
(B-8003)	□	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000	.000	.000	.000
(B-8017)	◇	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000	4.000	4.000	.000
(B-8014)	△	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000	8.000	8.000	.000
(B-8016)	▽	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	-4.000	8.000	8.000	-4.000
(B-8015)	◁	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	-8.000	8.000	8.000	-8.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

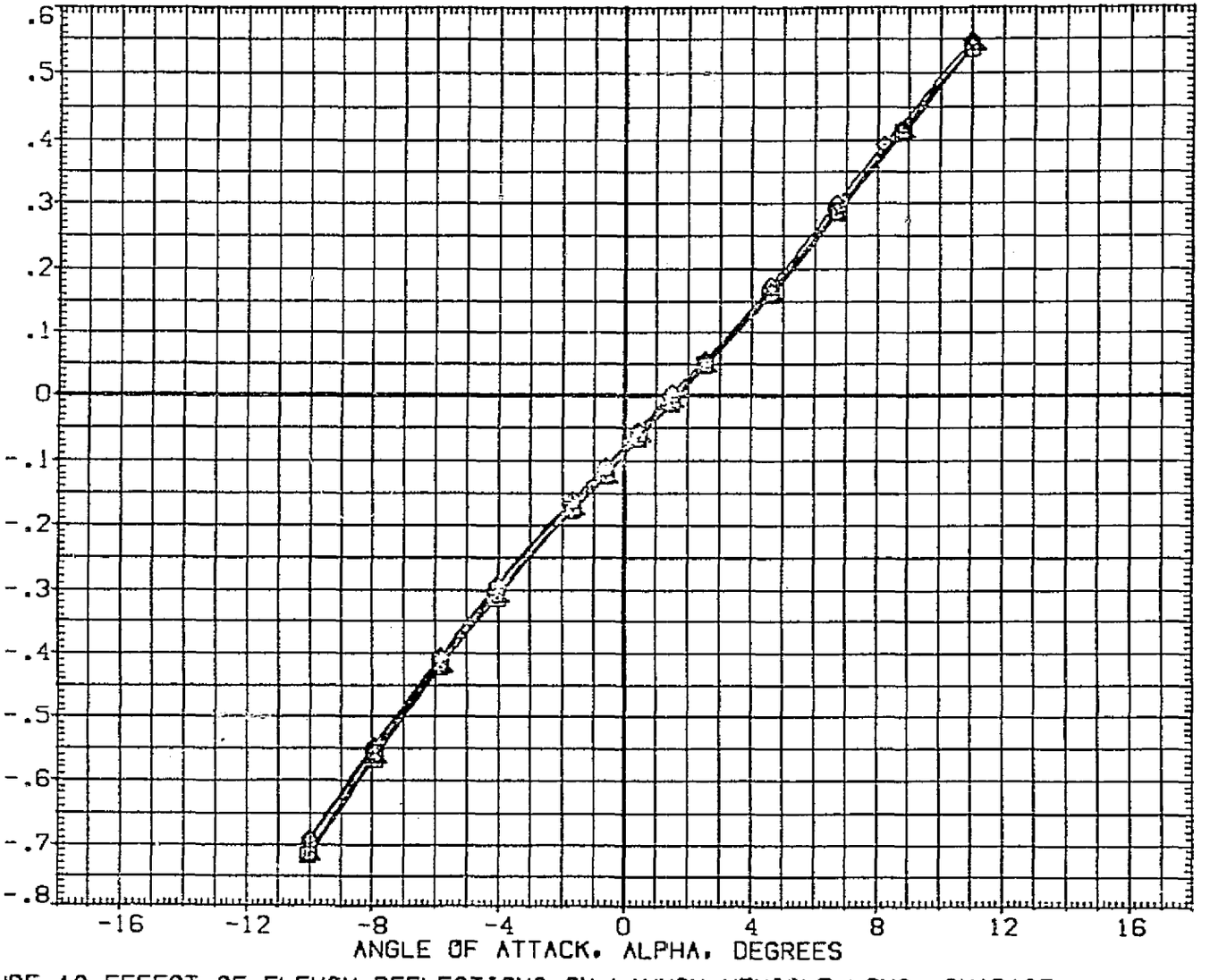


FIGURE 10 EFFECT OF ELEVON DEFLECTIONS ON LAUNCH VEHICLE LONG. CHARACT.

(B)MACm = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELV-LO	ELV-L1	ELV-RI	ELV-RO
(B-8003)	□	UPVT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	.000	.000	.000	.000
(B-8017)	◇	UPVT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	.000	4.000	4.000	.000
(B-8014)	△	UPVT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	.000	8.000	8.000	.000
(B-8016)	▽	UPVT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	-4.000	8.000	8.000	-4.000
(B-8015)	◁	UPVT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	-8.000	8.000	8.000	-8.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

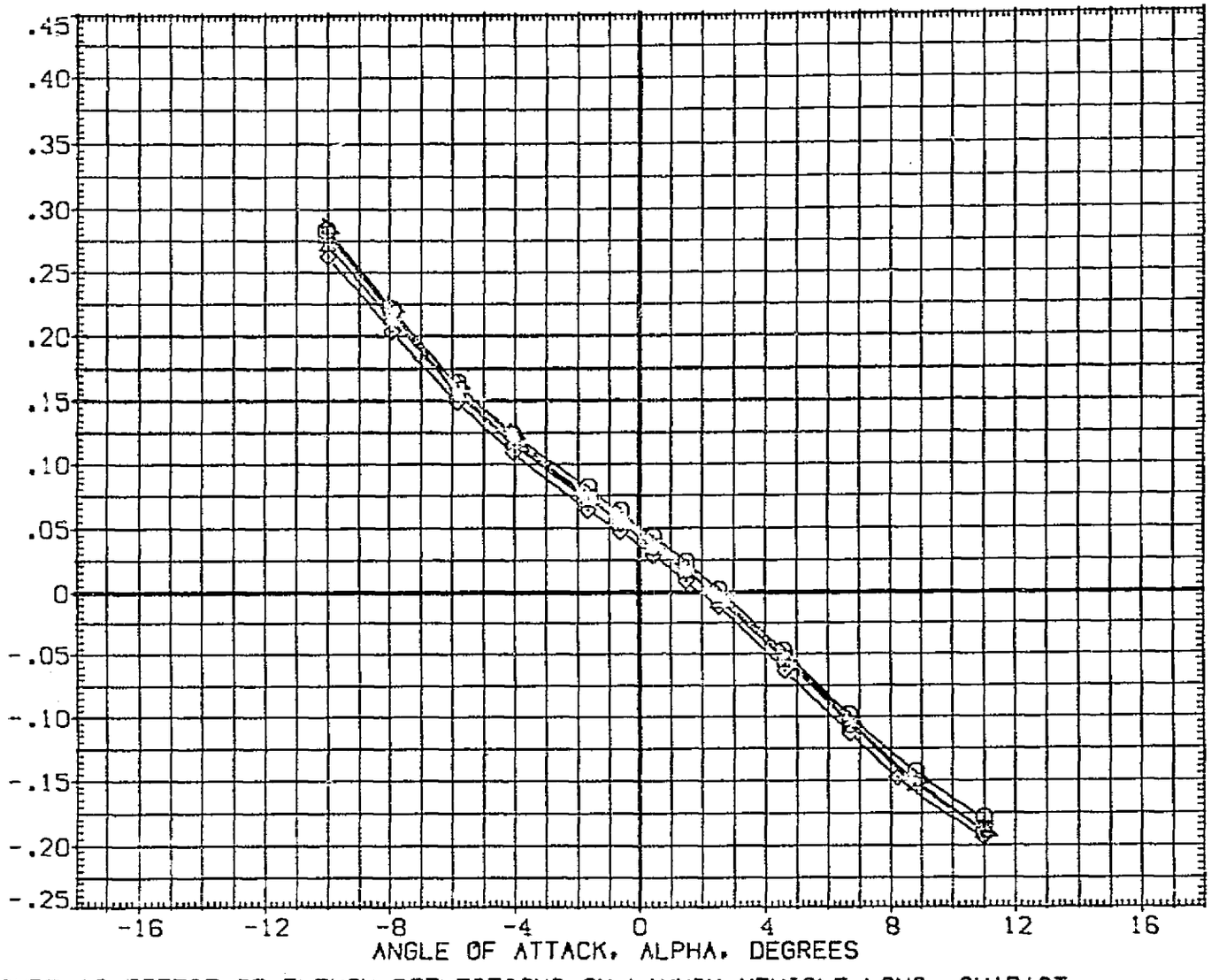


FIGURE 10 EFFECT OF ELEVON DEFLECTIONS ON LAUNCH VEHICLE LONG. CHARACT.

(B)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELV-LO	ELV-LI	ELV-RI	ELV-RO
(B-8003)	□	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000	.000	.000	.000
(B-8017)	△	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000	4.000	4.000	.000
(B-8014)	◇	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000	8.000	8.000	.000
(B-8016)	▽	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	-4.000	8.000	8.000	-4.000
(B-8015)	⋈	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	-8.000	8.000	8.000	-8.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

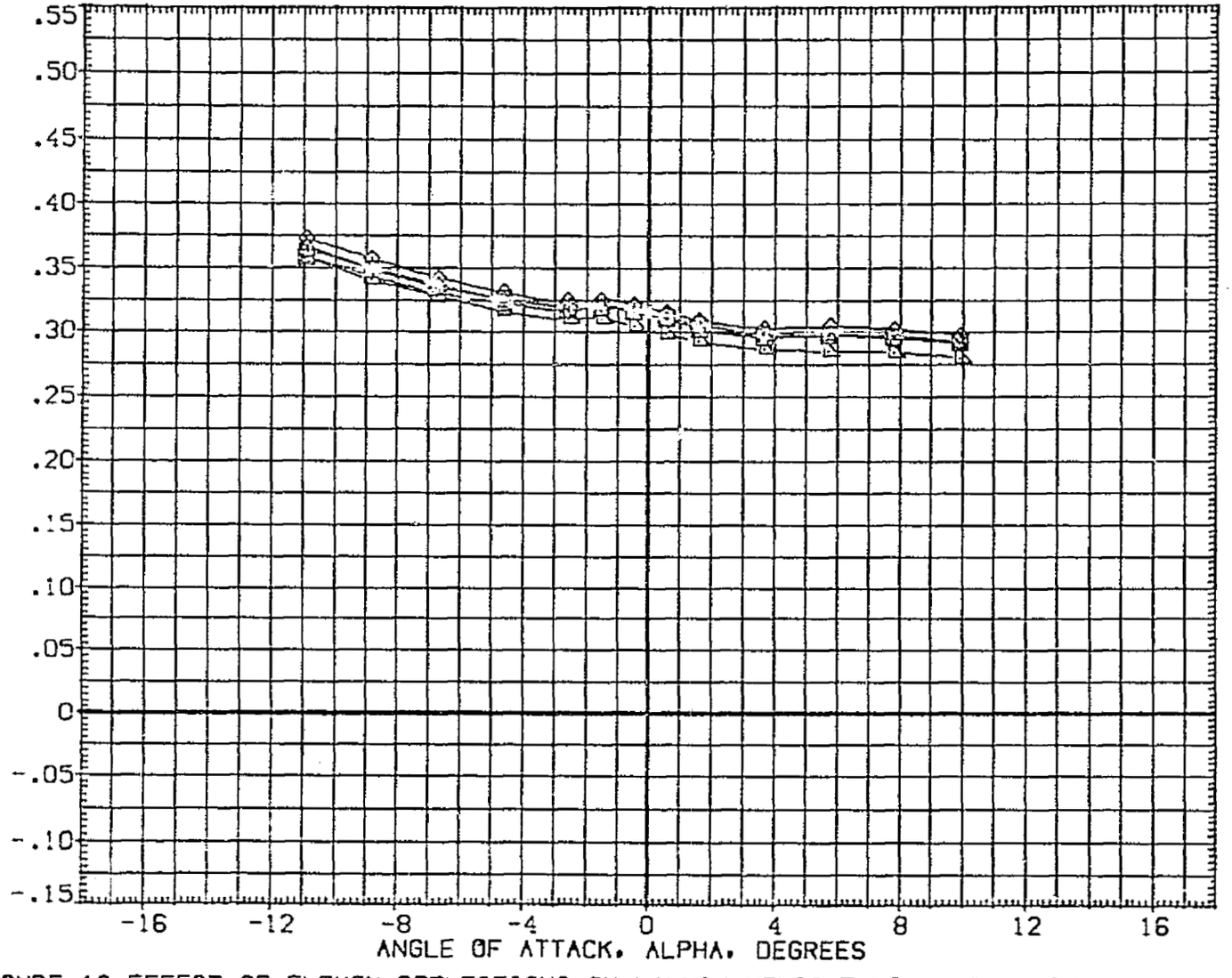


FIGURE 10 EFFECT OF ELEVON DEFLECTIONS ON LAUNCH VEHICLE LONG. CHARACT.

(C)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELV-LO	ELV-LI	ELV-RI	ELV-RO
(B-8003)	□	LPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000	.000	.000	.000
(B-8017)	◇	LPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000	4.000	4.000	.000
(B-8014)	△	LPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000	8.000	8.000	.000
(B-8016)	▽	LPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	-4.000	8.000	8.000	-4.000
(B-8015)	◁	LPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	-8.000	8.000	8.000	-8.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

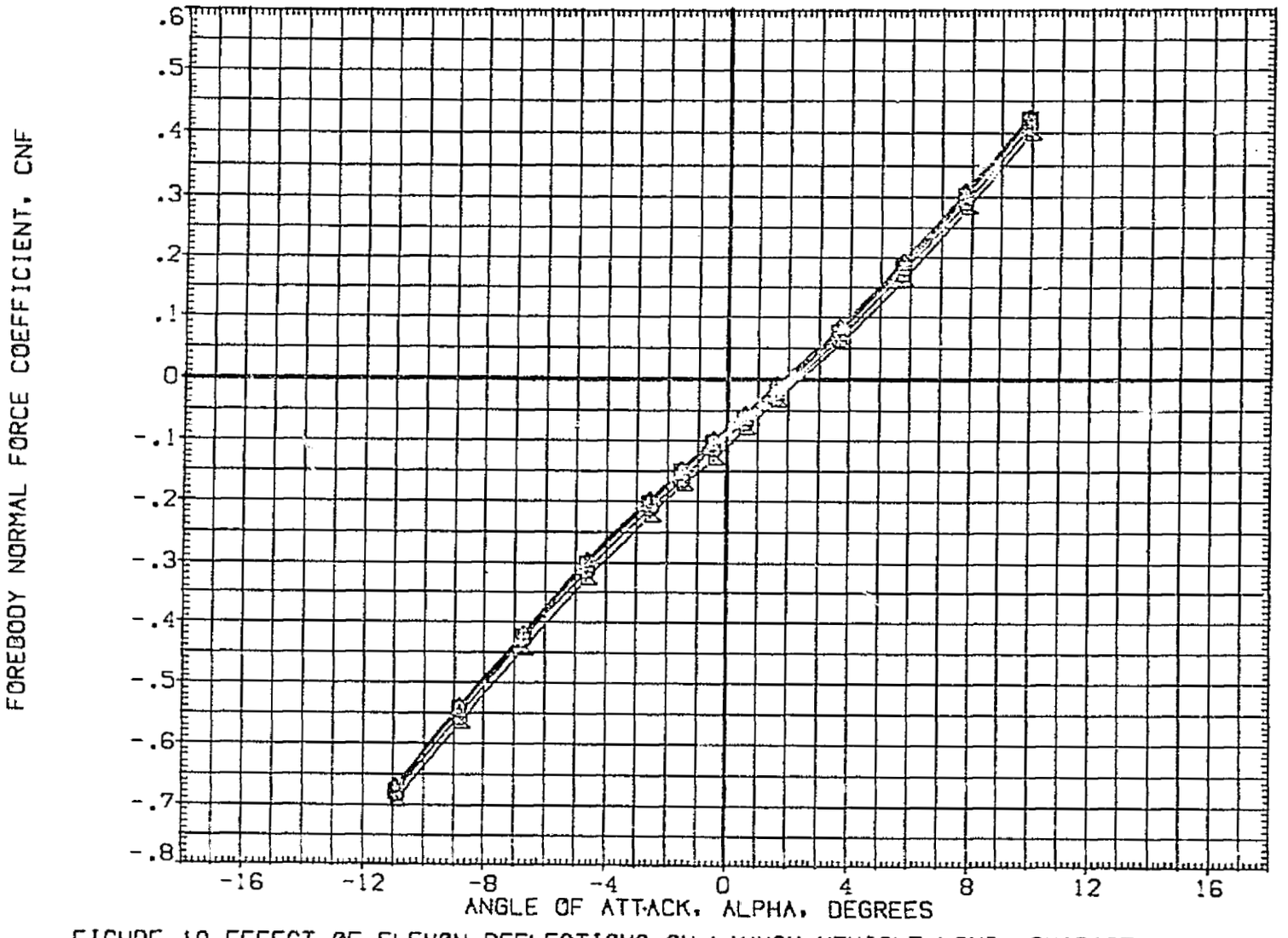


FIGURE 10 EFFECT OF ELEVON DEFLECTIONS ON LAUNCH VEHICLE LONG. CHARACT.

(C)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELV-LO	ELV-LI	ELV-RI	ELV-RO
(B-8003)	□	LPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000	.000	.000	.000
(B-8017)	◇	LPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000	4.000	4.000	.000
(B-8014)	⋈	LPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000	8.000	8.000	.000
(B-8016)	△	LPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	-4.000	8.000	8.000	-4.000
(B-8015)	▽	LPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	-8.000	8.000	8.000	-8.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

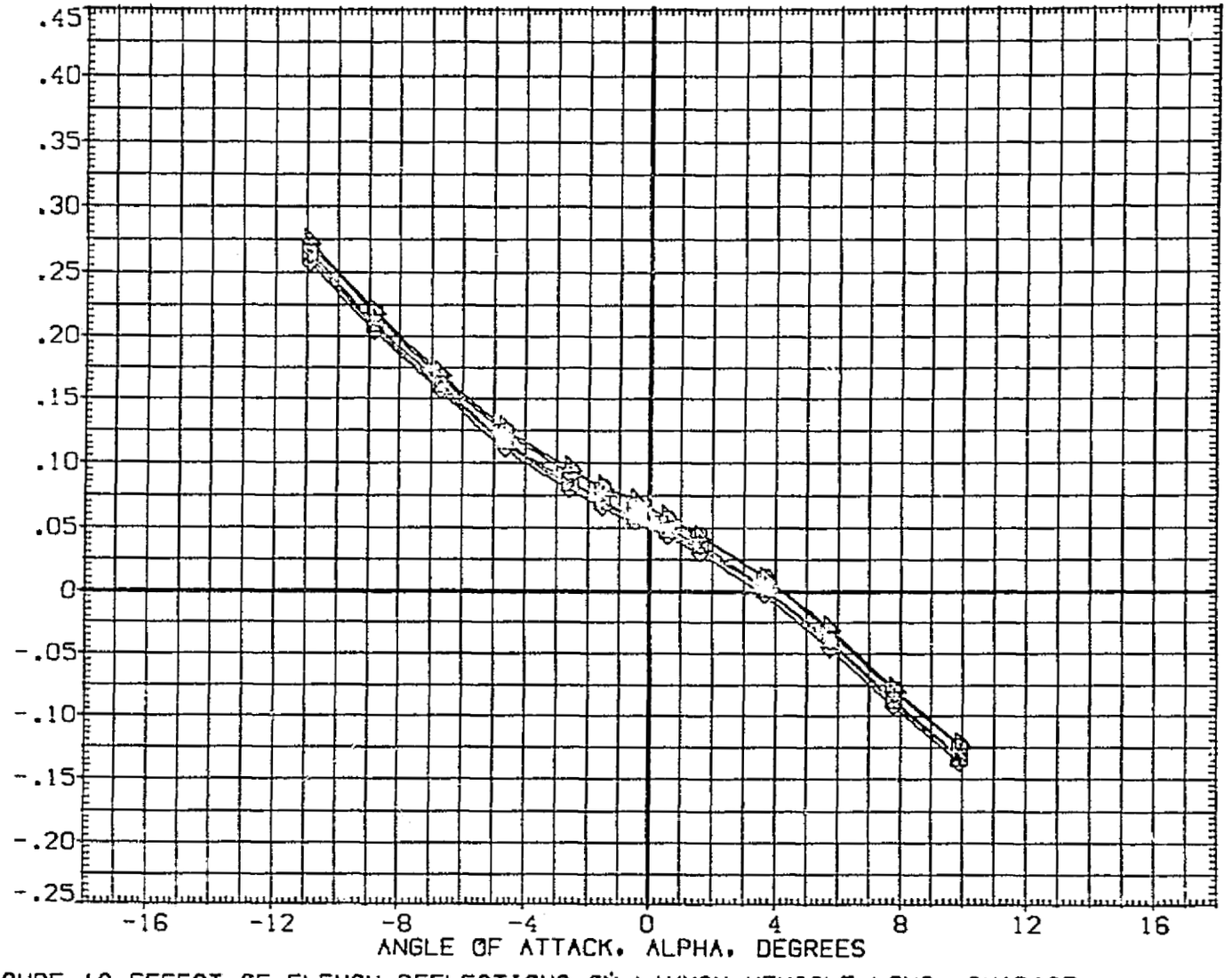


FIGURE 10 EFFECT OF ELEVON DEFLECTIONS ON LAUNCH VEHICLE LONG. CHARACT.

(C)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELV-LO	ELV-LI	ELV-RI	ELV-RO
(B-8003)	◯	UPWT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	.000	.000	.000	.000
(B-8017)	□	UPWT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	.000	4.000	4.000	.000
(B-8014)	◇	UPWT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	.000	8.000	8.000	.000
(B-8016)	△	UPWT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	-4.000	8.000	8.000	-4.000
(B-8015)	▽	UPWT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	-8.000	8.000	8.000	-8.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

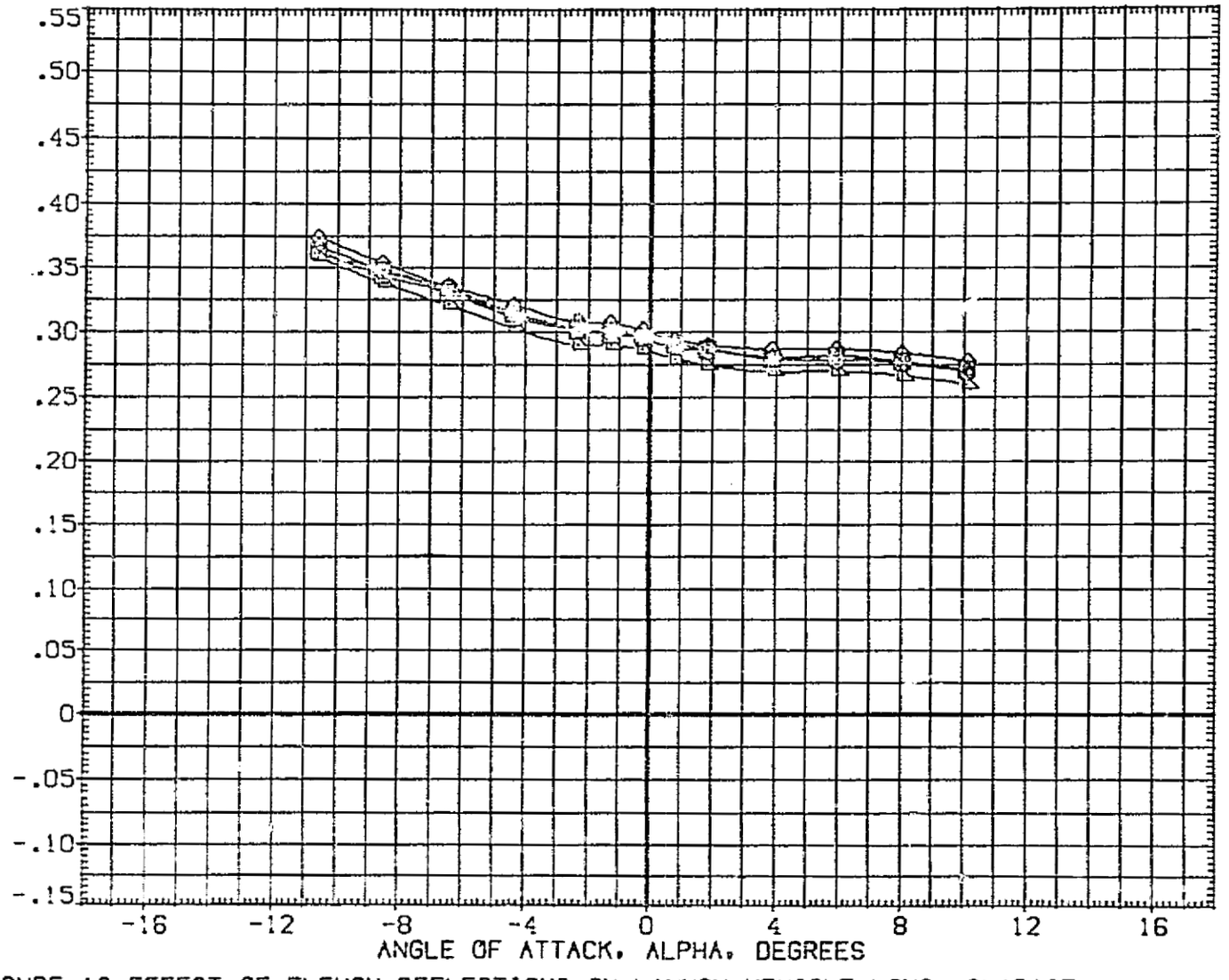


FIGURE 10 EFFECT OF ELEVON DEFLECTIONS ON LAUNCH VEHICLE LONG. CHARACT.

(D)MACH = 2.86

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELV-LO	ELV-LI	ELV-RI	ELV-RO
(B-8003)		UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000	.000	.000	.000
(B-8017)		UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000	4.000	4.000	.000
(B-8014)		UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000	8.000	8.000	.000
(B-8016)		UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	-4.000	8.000	8.000	-4.000
(B-8015)		UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	-8.000	8.000	8.000	-8.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

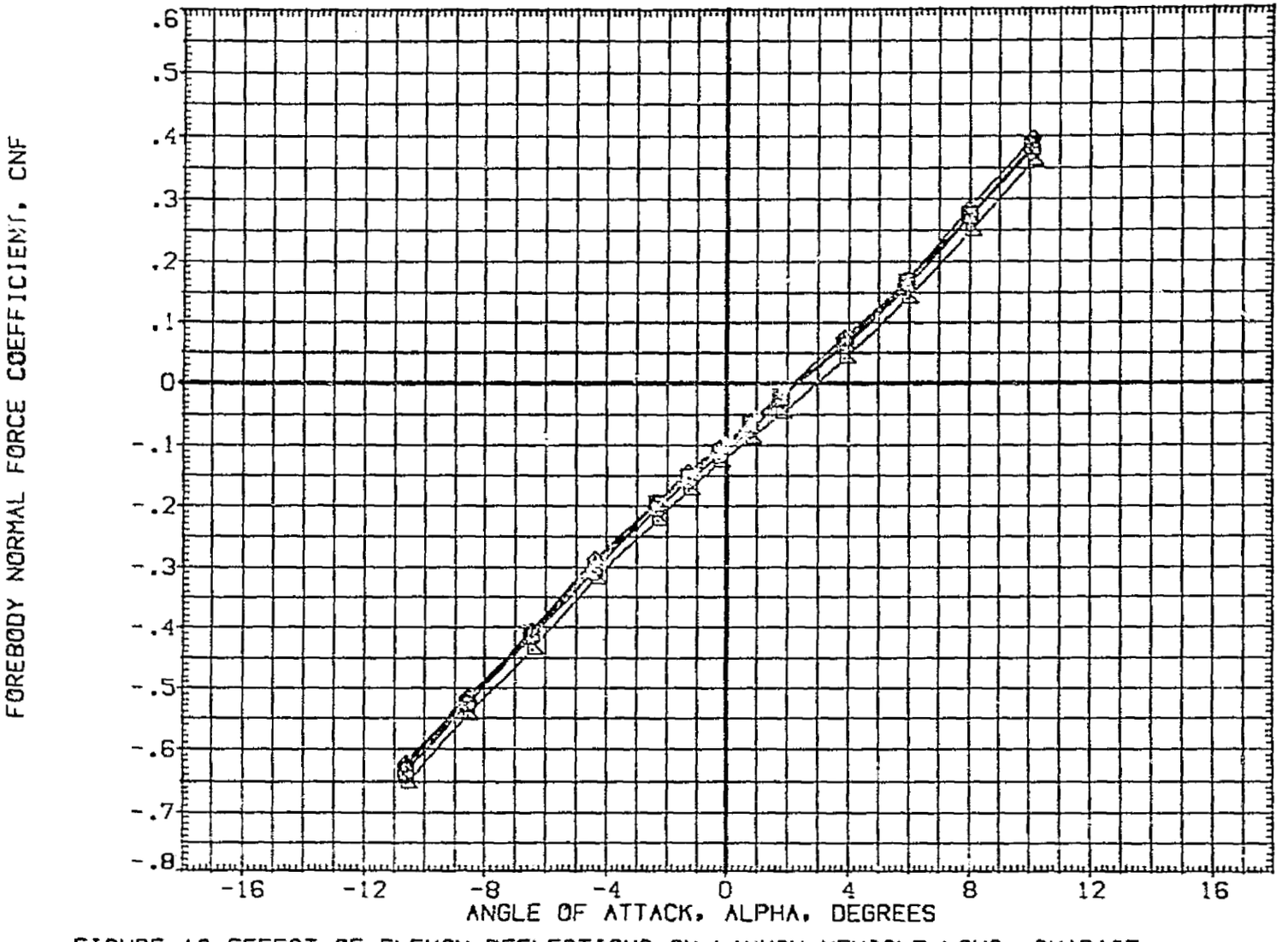


FIGURE 10 EFFECT OF ELEVON DEFLECTIONS ON LAUNCH VEHICLE LONG. CHARACT.

(D)MACH = 2.86

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELV-LO	ELV-LI	ELV-RI	ELV-RO
(B-8003)	□	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000	.000	.000	.000
(B-8017)	◇	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000	4.000	4.000	.000
(B-8014)	△	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000	8.000	8.000	.000
(B-8016)	▽	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	-4.000	8.000	8.000	-4.000
(B-8015)	⊲	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	-8.000	8.000	8.000	-8.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

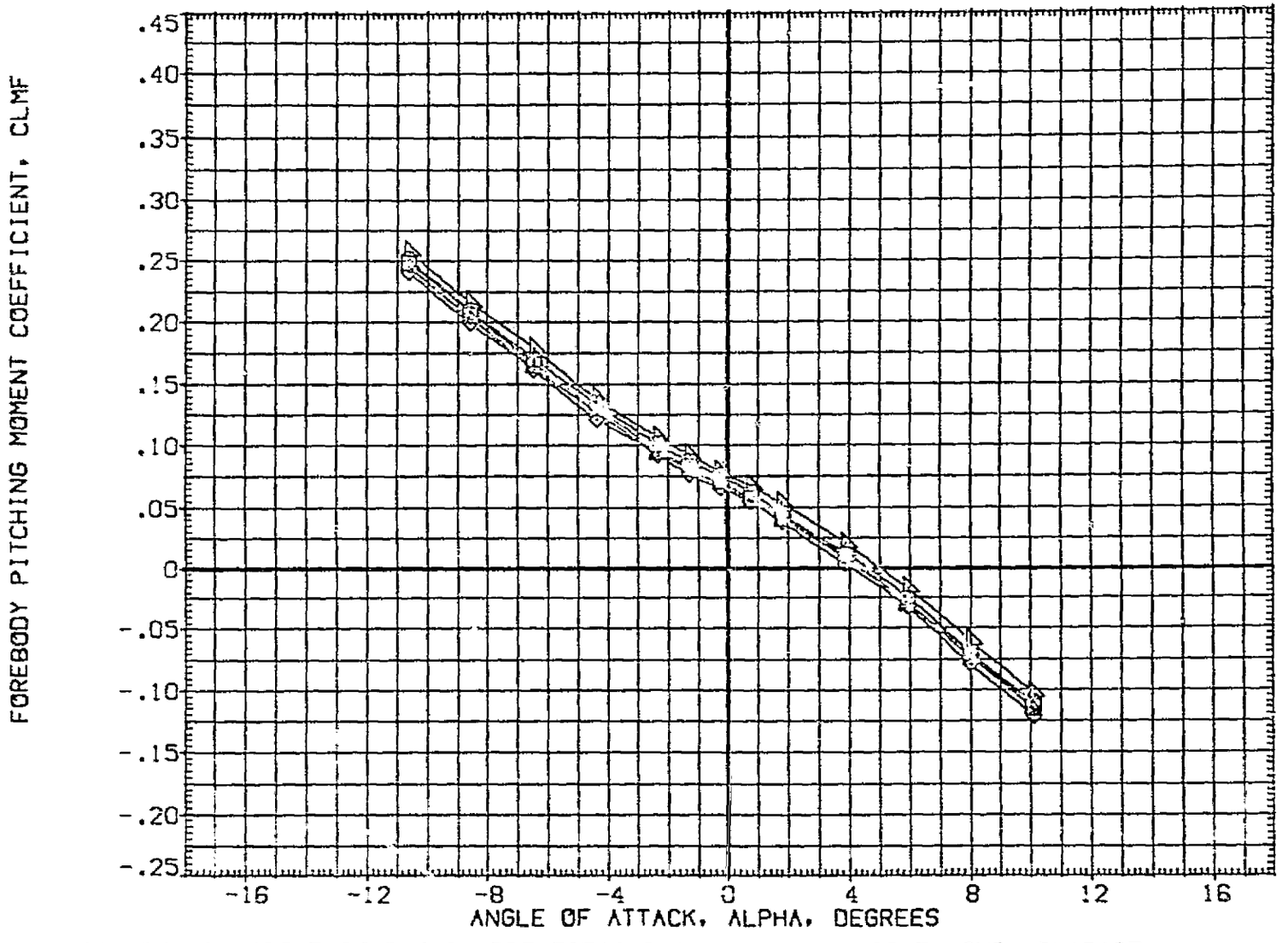


FIGURE 10 EFFECT OF ELEVON DEFLECTIONS ON LAUNCH VEHICLE LONG. CHARACT.

(D)MACH = 2.86

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELV-LO	ELV-LI	ELV-RI	ELV-RO
(B-8003)	□	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000	.000	.000	.000
(B-8017)	○	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000	4.000	4.000	.000
(B-8014)	◇	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000	8.000	8.000	.000
(B-8016)	△	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	-4.000	8.000	8.000	-4.000
(B-8015)	▽	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	-8.000	8.000	8.000	-8.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

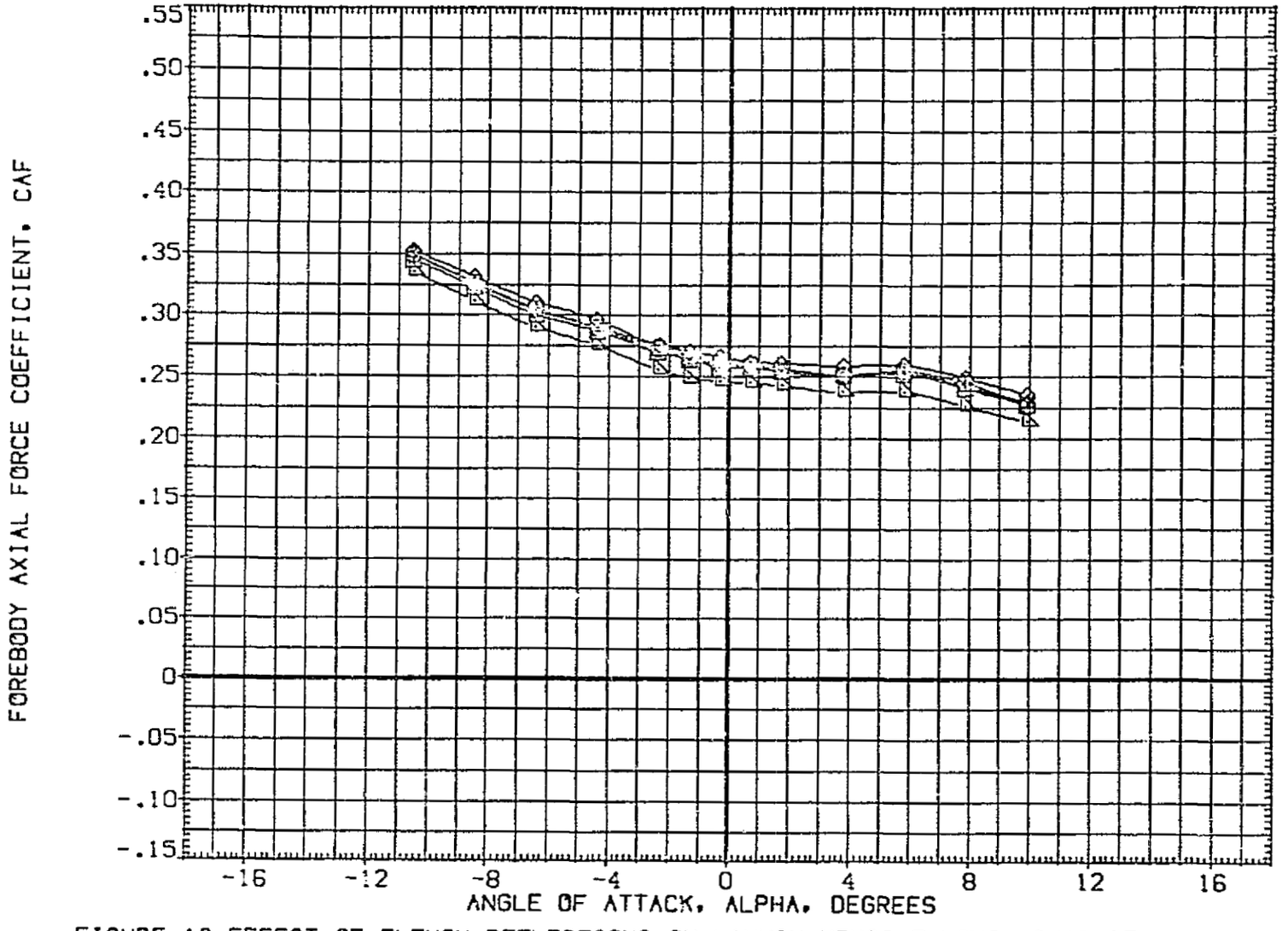


FIGURE 10 EFFECT OF ELEVON DEFLECTIONS ON LAUNCH VEHICLE LONG. CHARACT.

(E)MACH = 3.90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELV-LO	ELV-LI	ELV-RI	ELV-RO
(B-8003)	□	UPWT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	.000	.000	.000	.000
(B-8017)	◇	UPWT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	.000	4.000	4.000	.000
(B-8014)	△	UPWT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	.000	8.000	8.000	.000
(B-8016)	▽	UPWT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	-4.000	8.000	8.000	-4.000
(B-8015)	◁	UPWT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	-8.000	8.000	8.000	-8.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

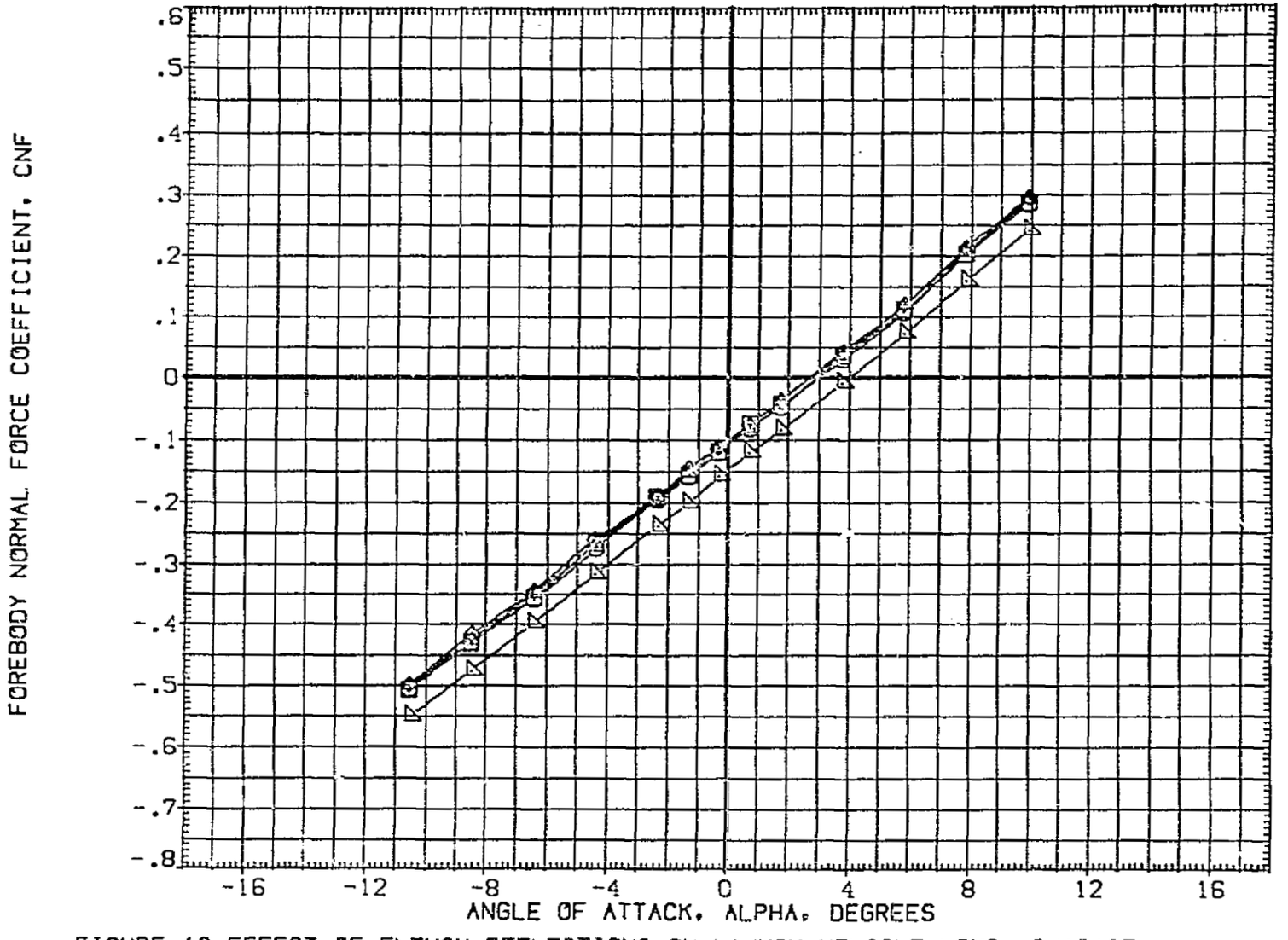


FIGURE 10 EFFECT OF ELEVON DEFLECTIONS ON LAUNCH VEHICLE LONG. CHARACT.

(E)MACH = 3.30

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELV-LO	ELV-LI	ELV-RI	ELV-RO
(B-8003)	□	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000	.000	.000	.000
(B-8017)	◇	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000	4.000	4.000	.000
(B-8014)	△	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000	8.000	8.000	.000
(B-8016)	▽	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	-4.000	8.000	8.000	-4.000
(B-8015)	◁	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	-8.000	8.000	8.000	-8.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

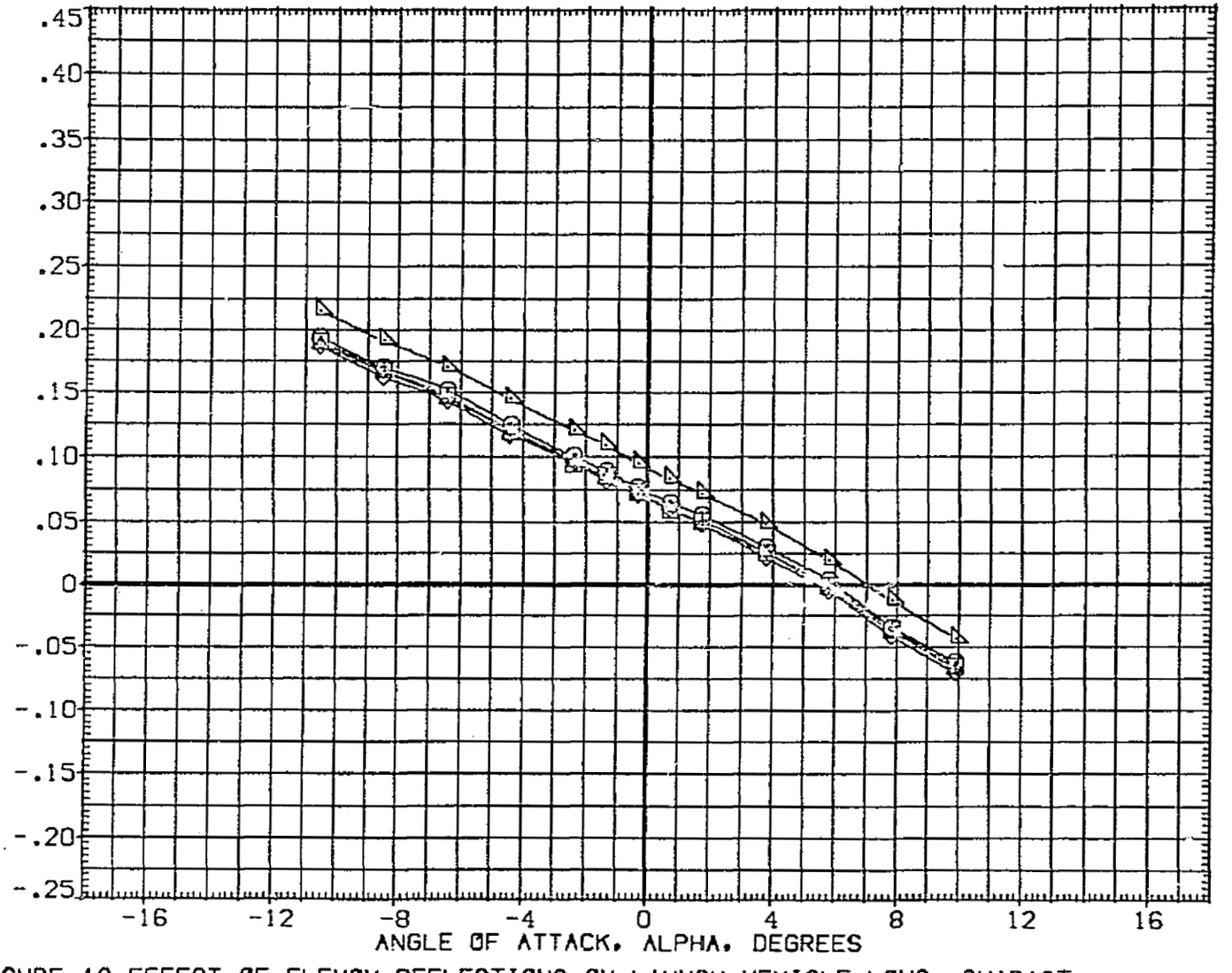


FIGURE 10 EFFECT OF ELEVON DEFLECTIONS ON LAUNCH VEHICLE LONG. CHARACT.

(E)MACH = 3.90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELV-LO	ELV-LI	ELV-RI	ELV-RO
(B-8003)	□	UPWT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	.000	.000	.000	.000
(B-8017)	◇	UPWT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	.000	4.000	4.000	.000
(B-8014)	⊠	UPWT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	.000	8.000	8.000	.000
(B-8016)	△	UPWT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	-4.000	8.000	8.000	-4.000
(B-8015)	▽	UPWT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	-8.000	8.000	8.000	-8.000

REFERENCE INFORMATION		
SREF	2680.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

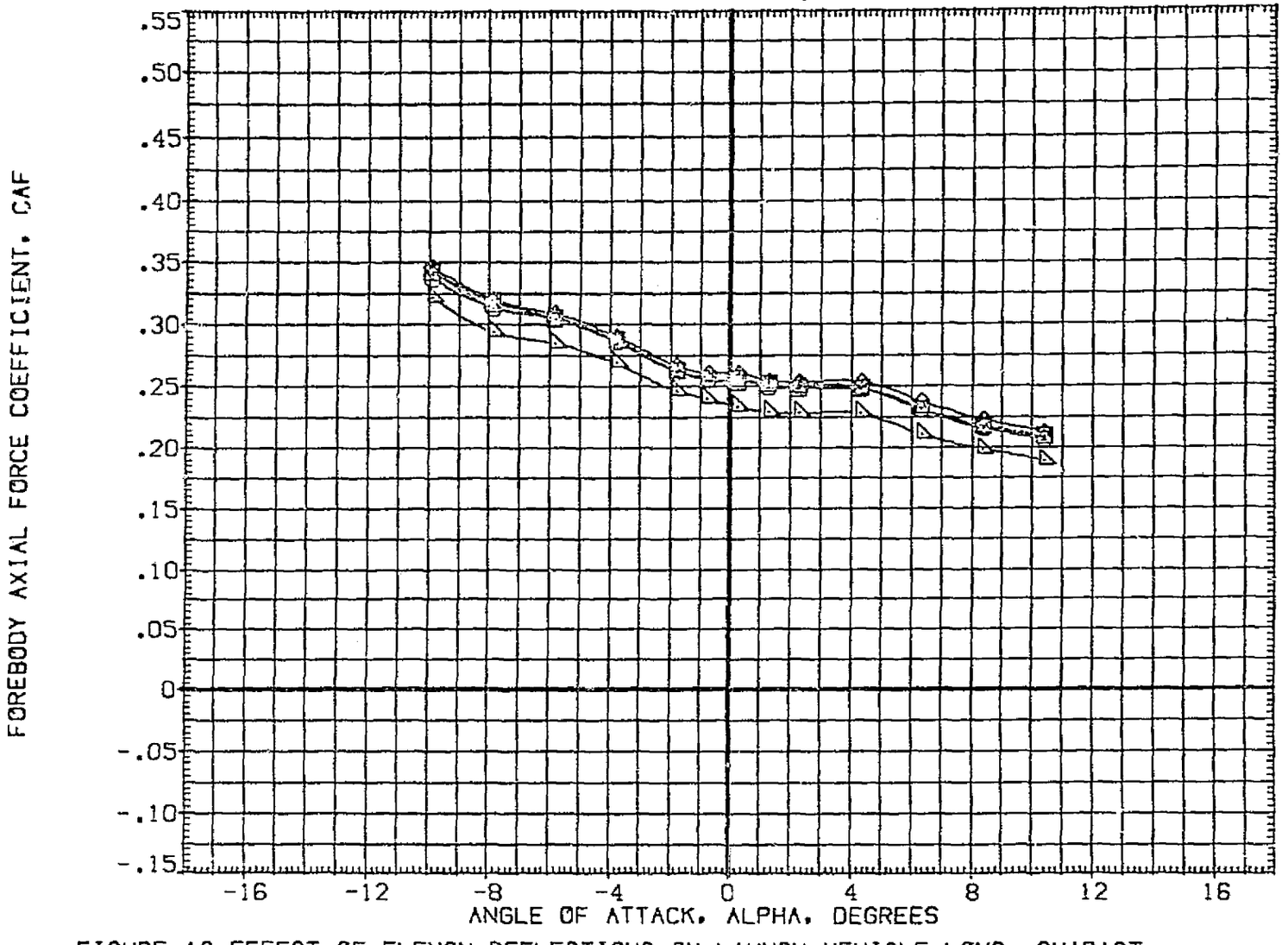


FIGURE 10 EFFECT OF ELEVON DEFLECTIONS ON LAUNCH VEHICLE LONG. CHARACT.

(F)MACH = 4.60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELV-LO	ELV-LI	ELV-RI	ELV-RO
(B-8003)	□	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000	.000	.000	.000
(B-8017)	◇	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000	4.000	4.000	.000
(B-8014)	○	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000	8.000	8.000	.000
(B-8016)	△	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	-4.000	8.000	8.000	-4.000
(B-8015)	▽	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	-8.000	8.000	8.000	-8.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

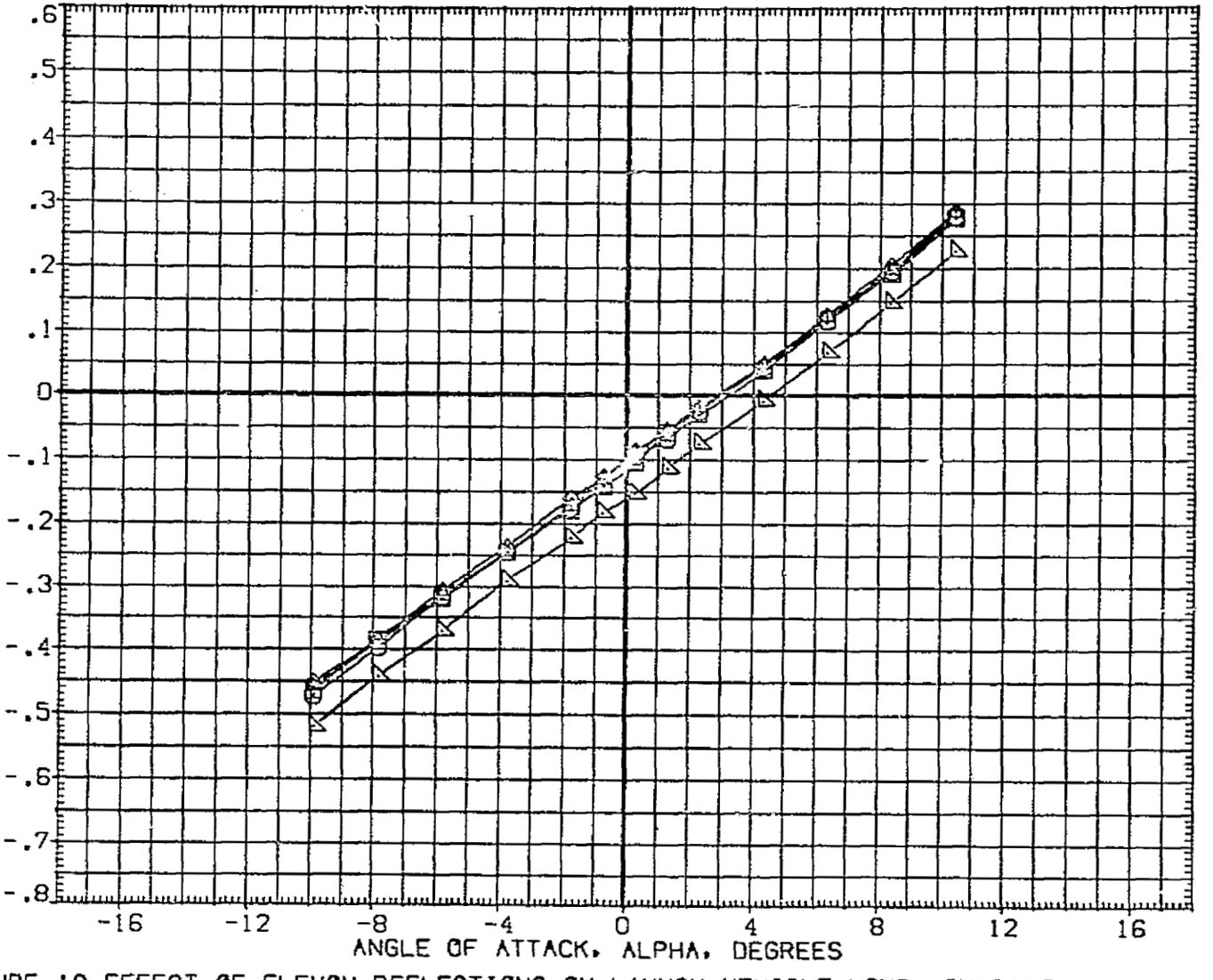


FIGURE 10 EFFECT OF ELEVON DEFLECTIONS ON LAUNCH VEHICLE LONG. CHARACT.

(F)MACH = 4.60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELV-LO	ELV-LI	ELV-RI	ELV-RO
(B-8003)	○	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000	.000	.000	.000
(B-8017)		UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000	4.000	4.000	.000
(B-8014)	◇	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000	8.000	8.000	.000
(B-8016)	△	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	-4.000	8.000	8.000	-4.000
(B-8015)	▽	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	-8.000	8.000	8.000	-8.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

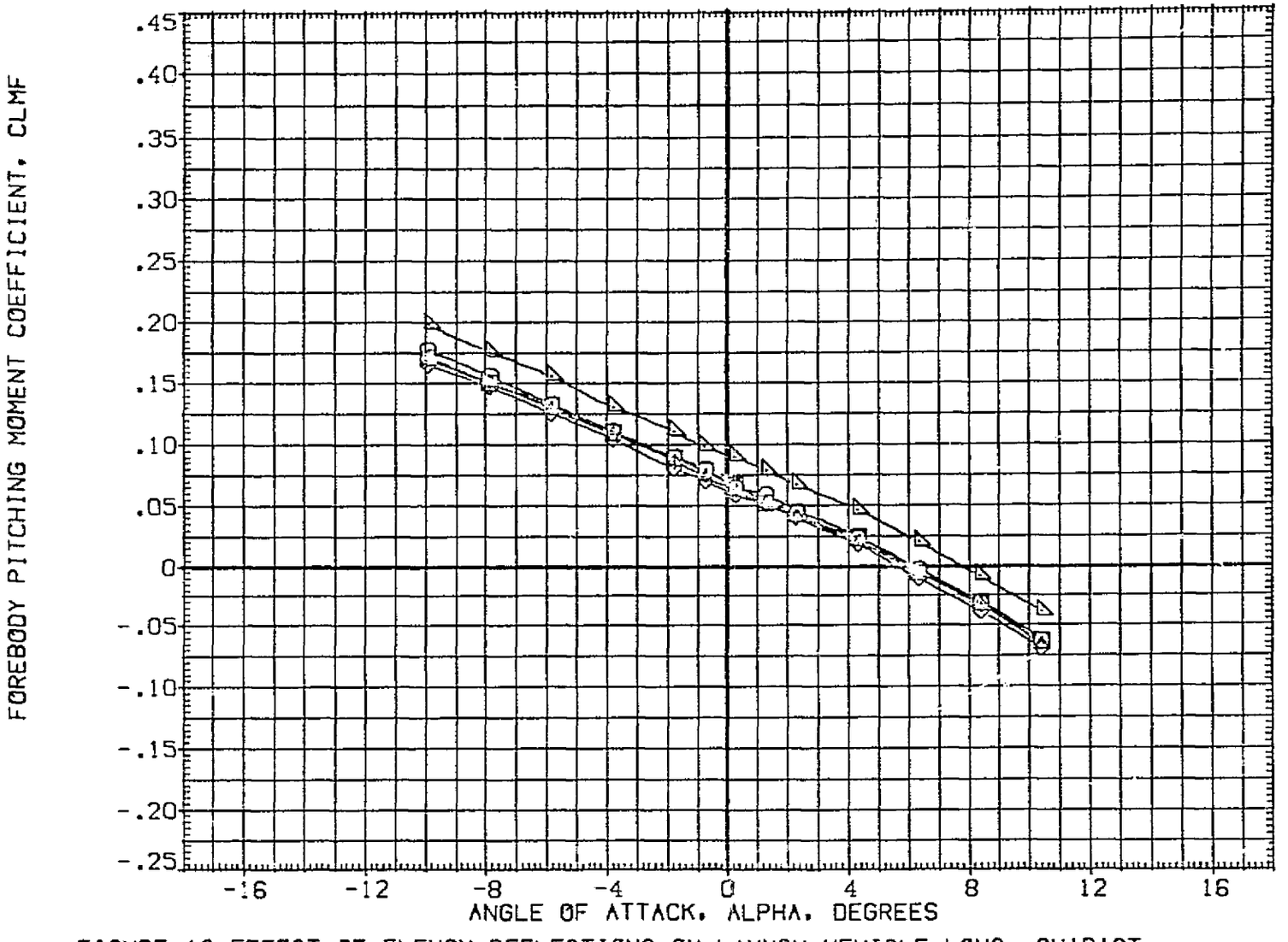


FIGURE 10 EFFECT OF ELEVON DEFLECTIONS ON LAUNCH VEHICLE LONG. CHARACT.

(F)MACH = 4.60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELV-LO	ELV-LI	ELV-RI	ELV-RO
(R=8M03)	□	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000	.000	.000	.000
(R=8M17)	◇	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000	4.000	4.000	.000
(R=8M14)	△	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000	8.000	8.000	.000
(R=8M16)	▽	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	-4.000	8.000	8.000	-4.000
(R=8M15)	◁	UPWT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	-8.000	8.000	8.000	-8.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

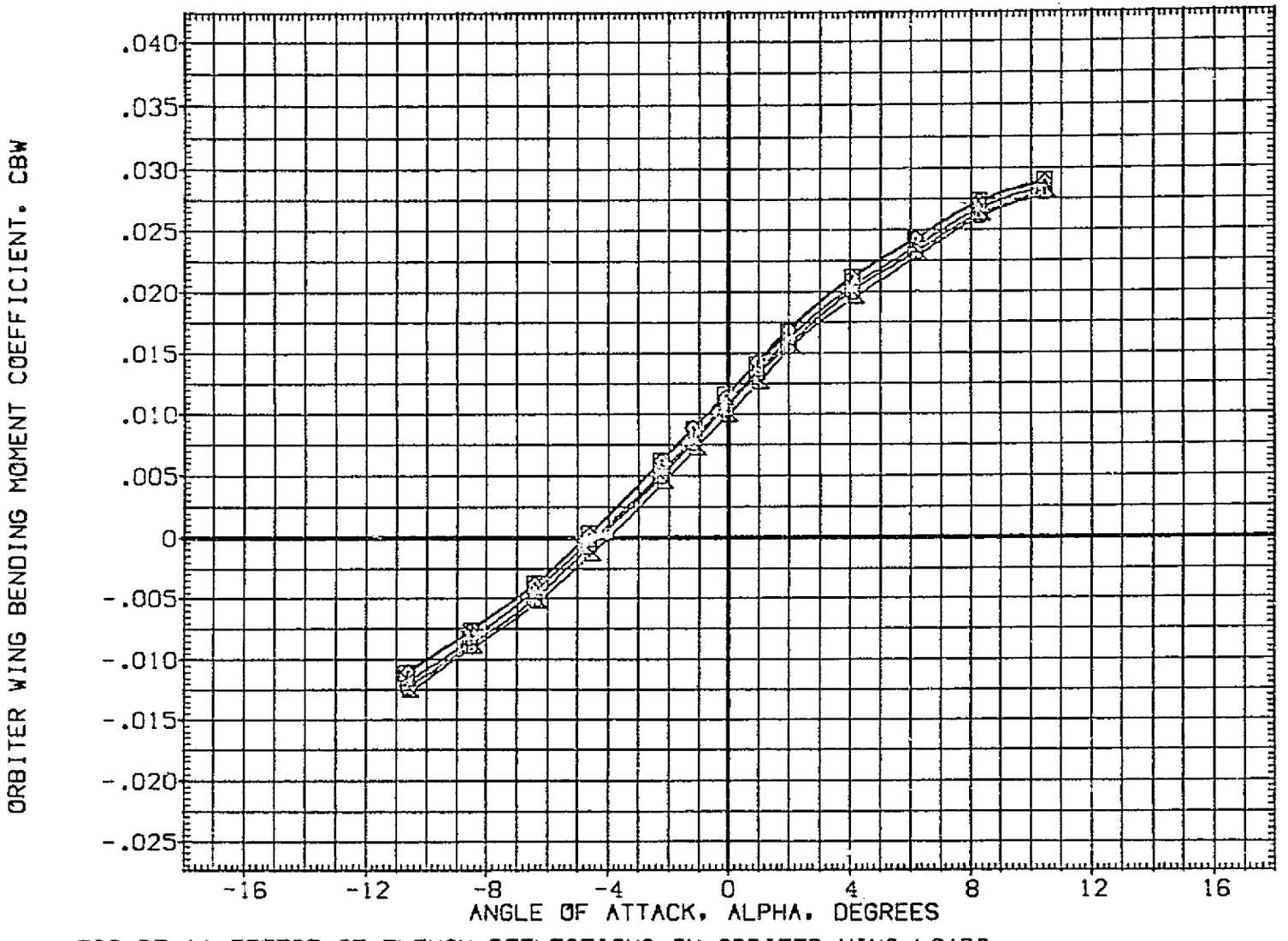


FIGURE 11 EFFECT OF ELEVON DEFLECTIONS ON ORBITER WING LOADS

(A)MACH = 1.60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELV-LO	ELV-LI	ELV-RI	ELV-RO
[R-8M03]	○	OPWT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	.000	.000	.000	.000
[R-8M17]	□	OPWT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	.000	4.000	4.000	.000
[R-8M14]	◇	OPWT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	.000	8.000	8.000	.000
[R-8M16]	△	OPWT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	-4.000	8.000	8.000	-4.000
[R-8M15]	▽	OPWT 1088/1119 (1A-44) CONFIGURATION	02/T4/S7	-8.000	8.000	8.000	-8.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

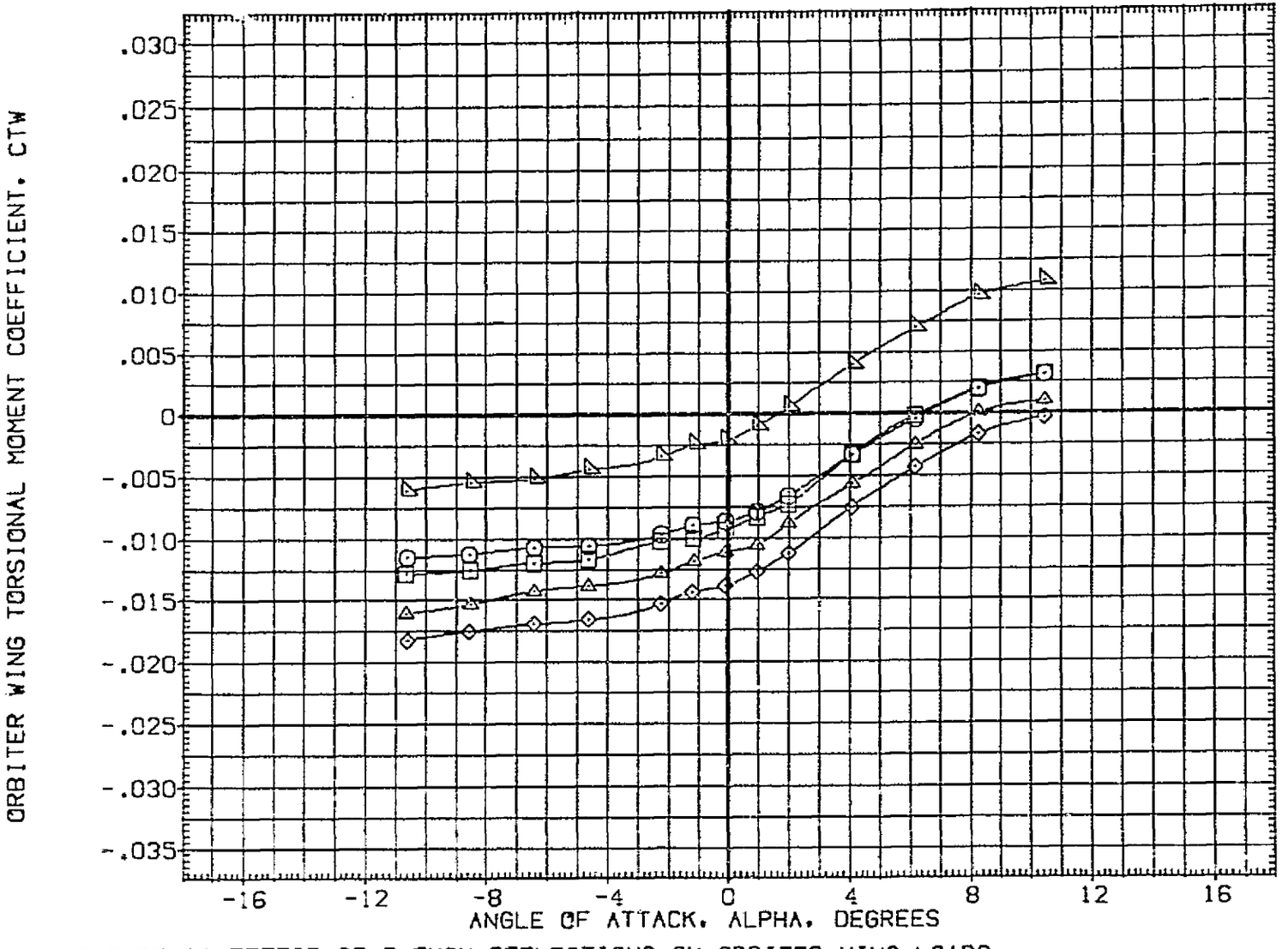


FIGURE 11 EFFECT OF ELEVON DEFLECTIONS ON ORBITER WING LOADS

(A)MACH = 1.60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELV-LO	ELV-LI	ELV-RI	ELV-RO
(R-8M03)	○	LPvT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000	.000	.000	.000
(R-8M17)	△	LPvT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000	4.000	4.000	.000
(R-8M14)	◇	LPvT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000	8.000	8.000	.000
(R-8M16)	◁	LPvT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	-4.000	8.000	8.000	-4.000
(R-8M15)	▽	LPvT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	-8.000	8.000	8.000	-8.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

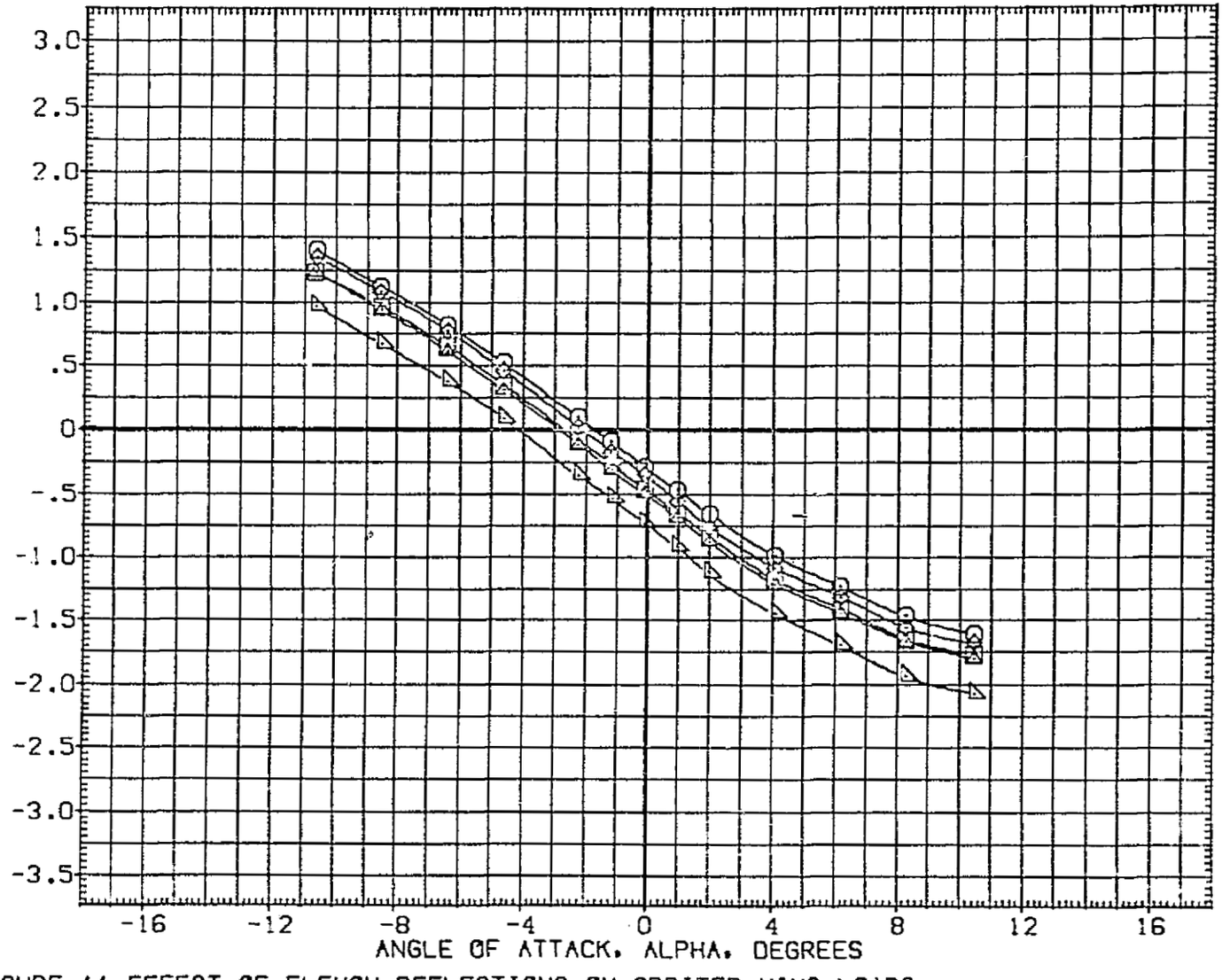


FIGURE 11 EFFECT OF ELEVON DEFLECTIONS ON ORBITER WING LOADS

(A)MACH = 1.60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELV-LO	ELV-LI	ELV-RI	ELV-RO
[RM8403]	□	UPWT 1088/1119 [IA-44] CONFIGURATION	02/T4/S7	.000	.000	.000	.000
[RM8417]	◇	UPWT 1088/1119 [IA-44] CONFIGURATION	02/T4/S7	.000	4.000	4.000	.000
[RM8414]	△	UPWT 1088/1119 [IA-44] CONFIGURATION	02/T4/S7	.000	8.000	8.000	.000
[RM8416]	▽	UPWT 1088/1119 [IA-44] CONFIGURATION	02/T4/S7	-4.000	8.000	8.000	-4.000
[RM8415]	◁	UPWT 1088/1119 [IA-44] CONFIGURATION	02/T4/S7	-8.000	8.000	8.000	-8.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

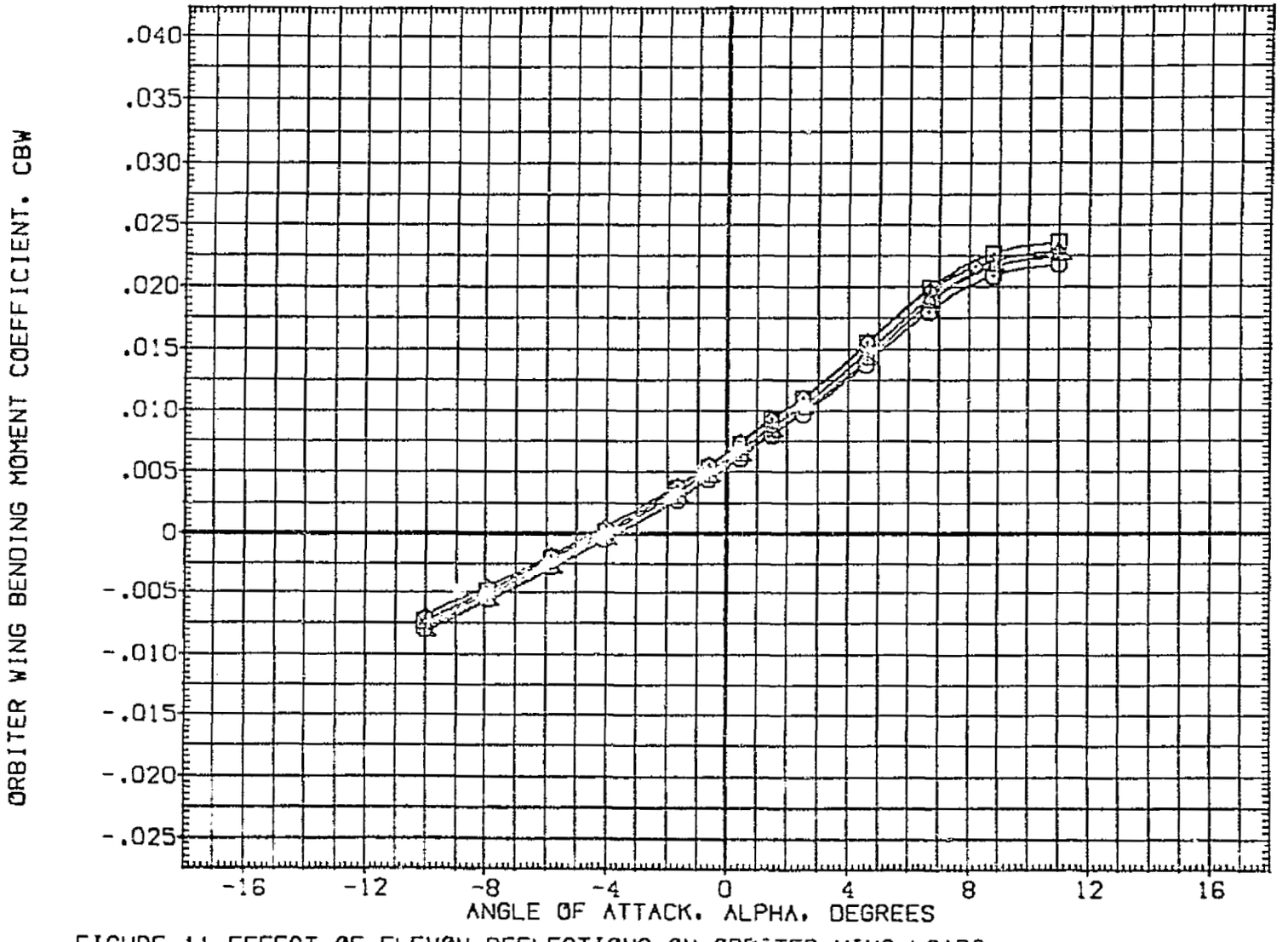


FIGURE 11 EFFECT OF ELEVON DEFLECTIONS ON ORBITER WING LOADS

(B)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELV-LO	ELV-LI	ELV-RI	ELV-RO
(R-8*03)	□	OPVT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000	.000	.000	.000
(R-8*17)	▽	OPVT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000	4.000	4.000	.000
(R-8*14)	◇	OPVT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000	8.000	8.000	.000
(R-8*16)	▷	OPVT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	-4.000	8.000	8.000	-4.000
(R-8*15)	△	OPVT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	-8.000	8.000	8.000	-8.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

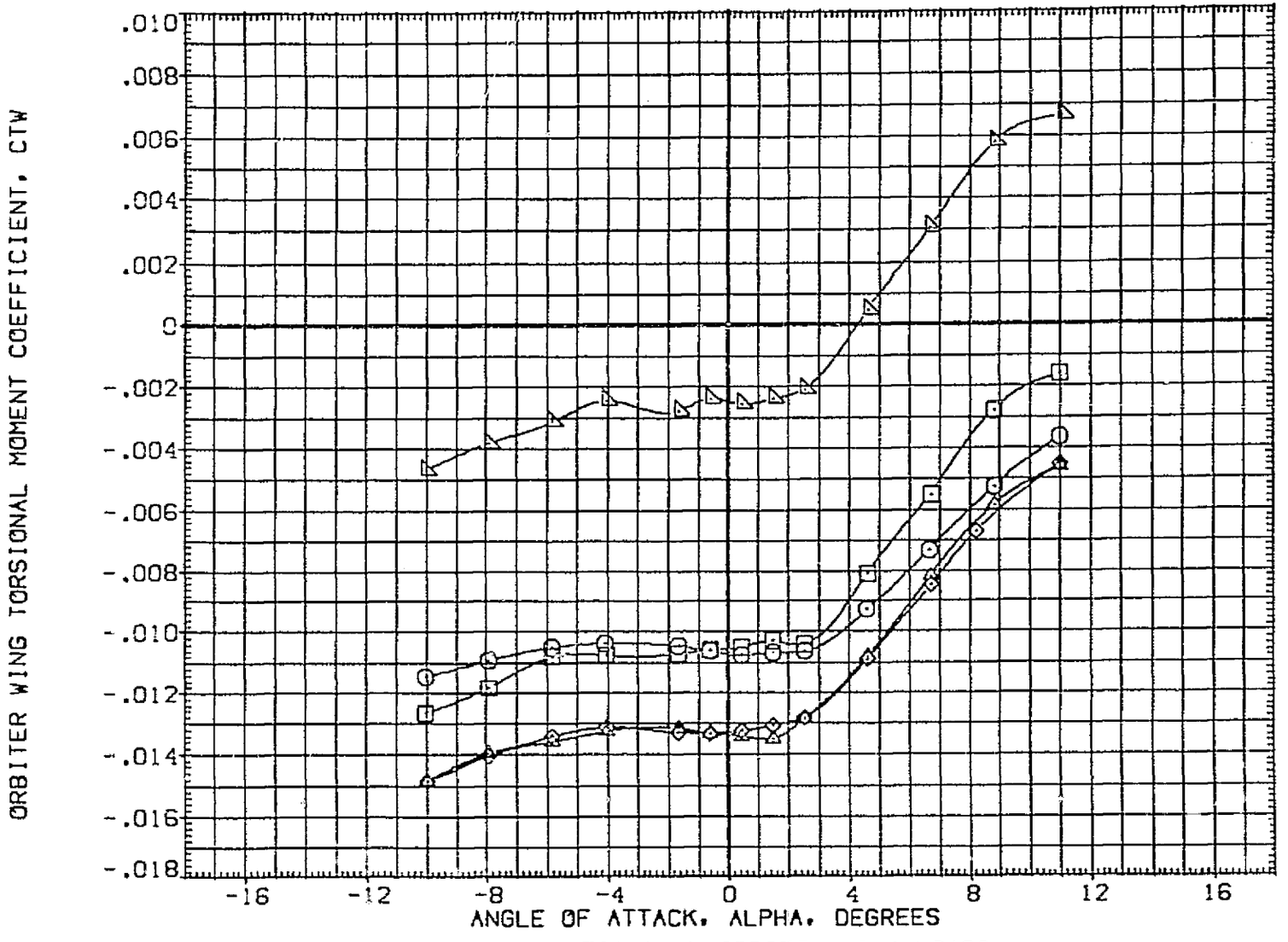


FIGURE 11 EFFECT OF ELEVON DEFLECTIONS ON ORBITER WING LOADS

(B)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELV-LO	ELV-LI	ELV-RI	ELV-RO
(R-8M03)	□	OPVT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000	.000	.000	.000
(R-8M17)	◇	OPVT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000	4.000	4.000	.000
(R-8M14)	△	OPVT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000	8.000	8.000	.000
(R-8M16)	▽	OPVT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	-4.000	8.000	8.000	-4.000
(R-8M15)	◁	OPVT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	-8.000	8.000	8.000	-8.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

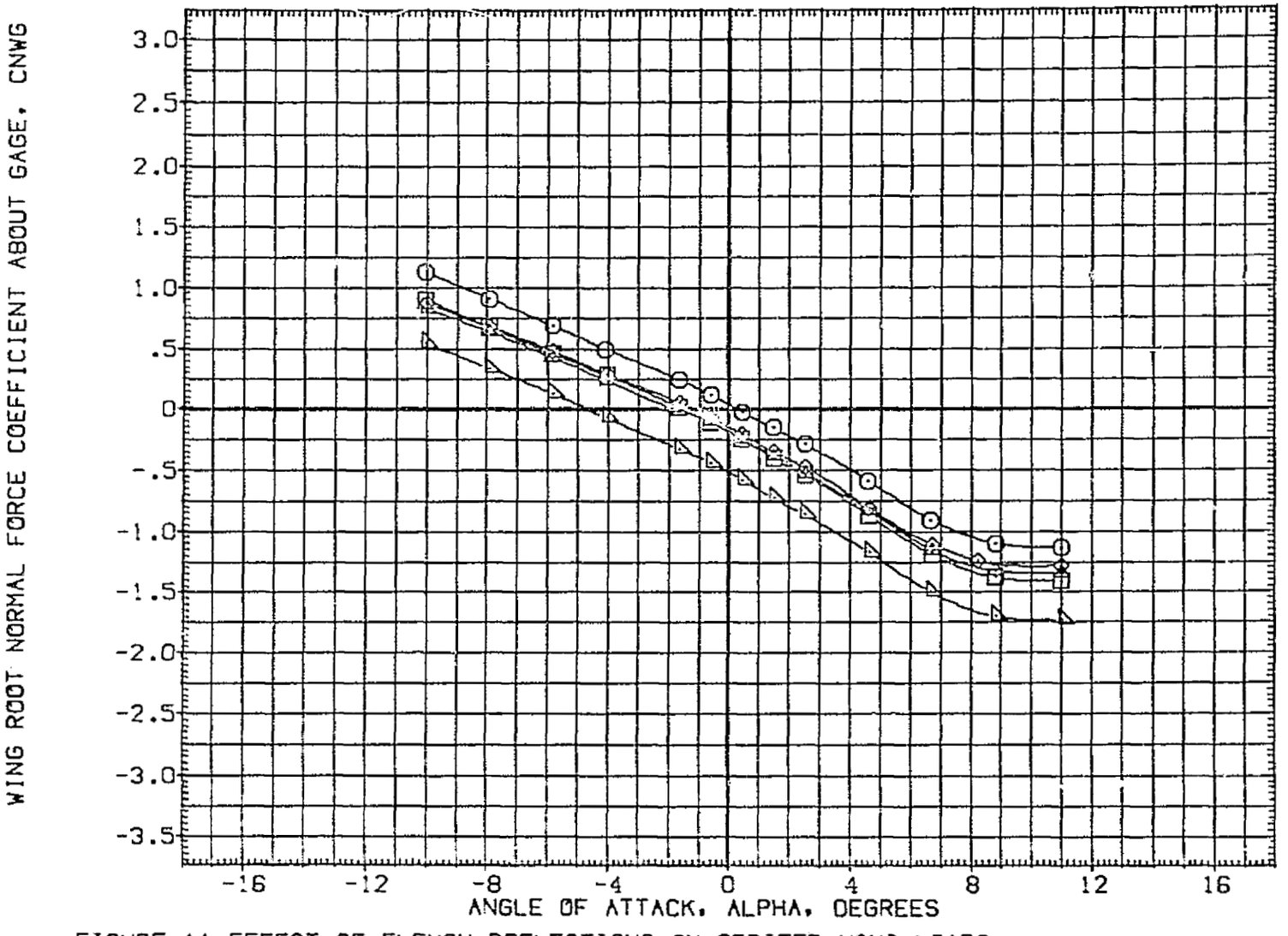


FIGURE 11 EFFECT OF ELEVON DEFLECTIONS ON ORBITER WING LOADS

(B)MACH = 2.00

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-LO	ELV-LI	ELV-RI	ELV-RO
(R=8*04) ○	LPVT 1088/1119 (1A-44) CONFIGURATION 02/T4/S7	.000	.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

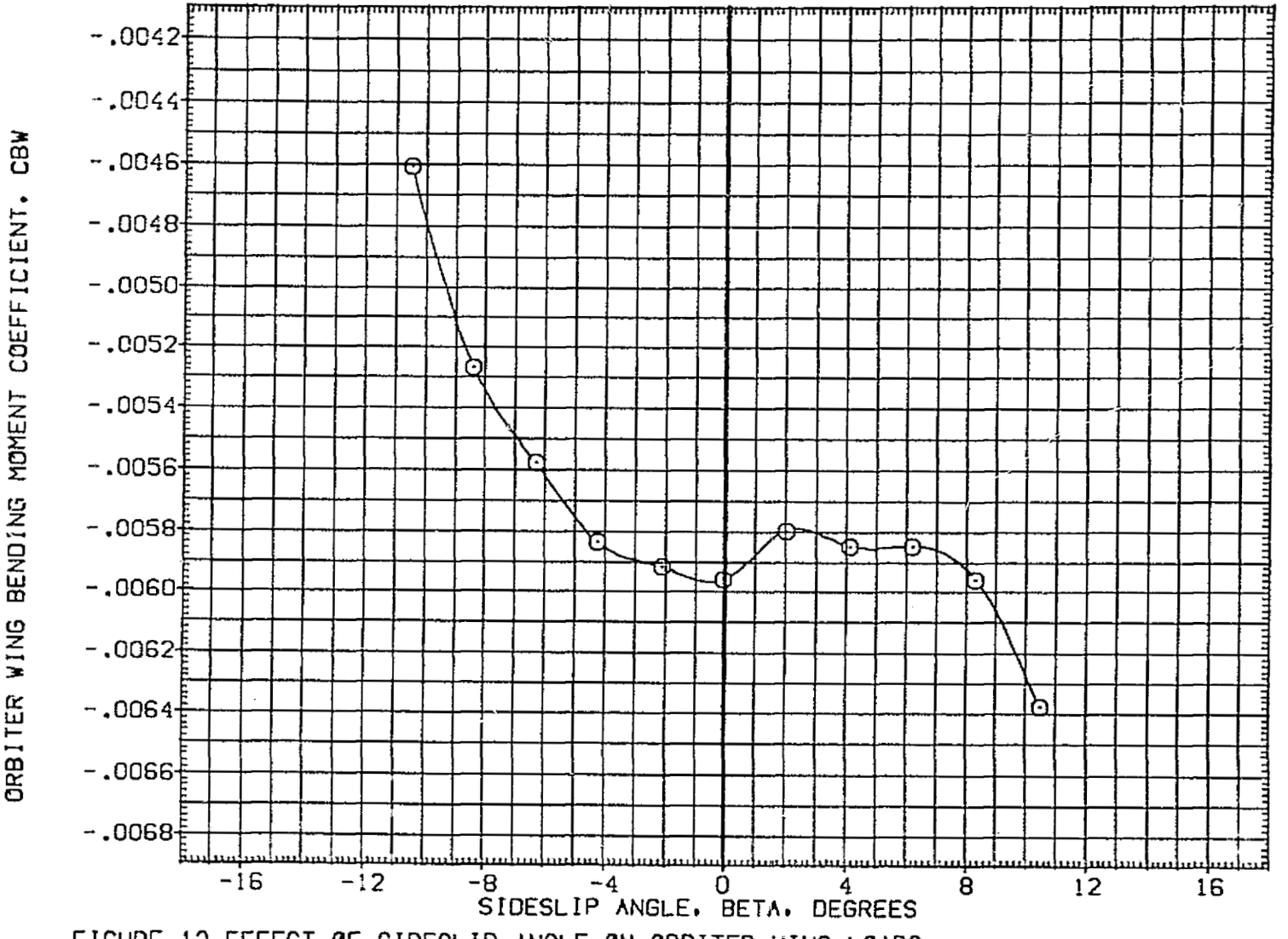


FIGURE 12 EFFECT OF SIDESLIP ANGLE ON ORBITER WING LOADS

(A)MACH = 1.60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION		ELV-LO	ELV-LI	ELV-RI	ELV-RO
(R-8*04) ○	UPVT 1088/1115 (IA-44) CONFIGURATION	02/T4/S7	.000	.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

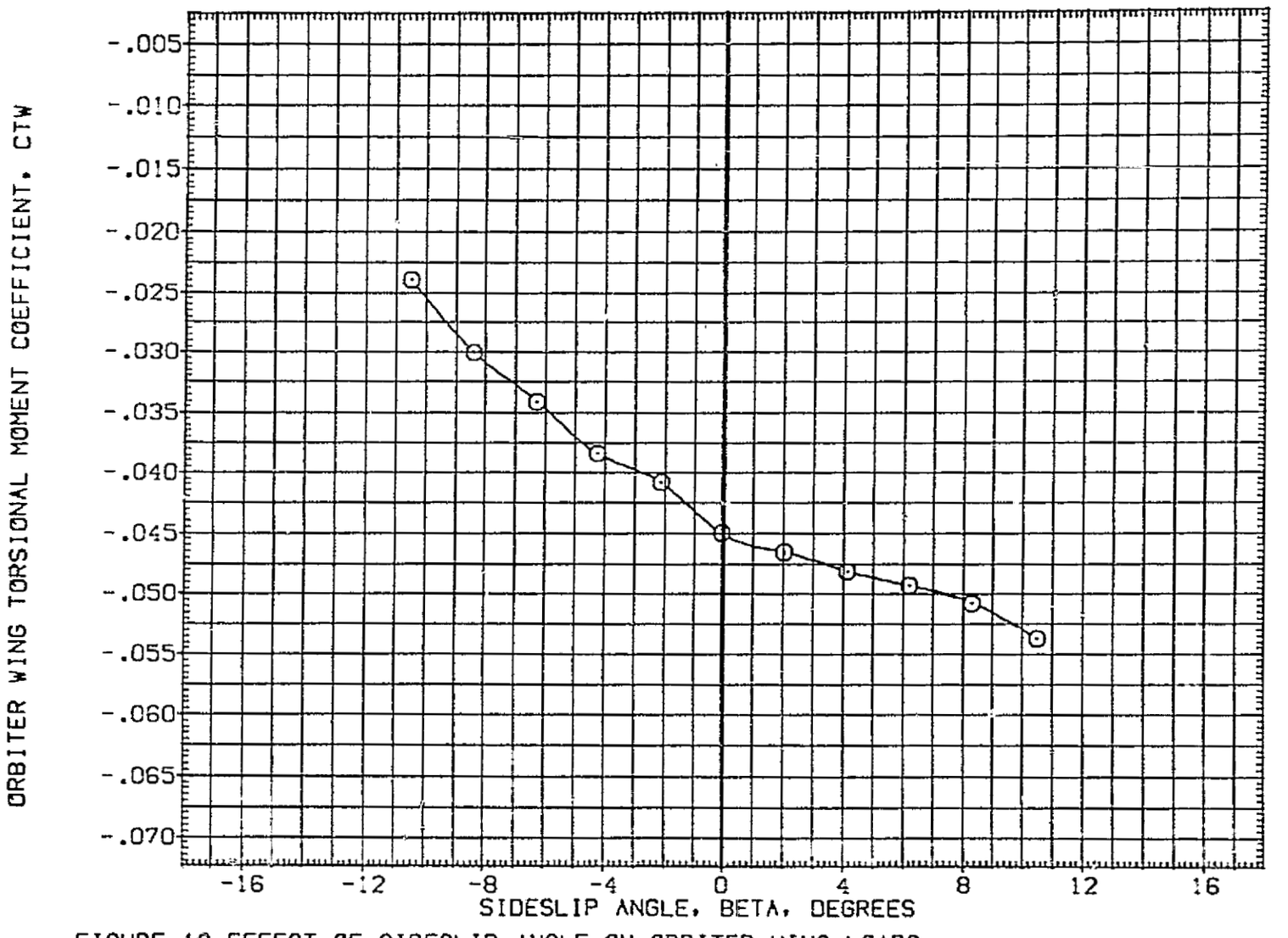


FIGURE 12 EFFECT OF SIDESLIP ANGLE ON ORBITER WING LOADS

(A)MACH = 1.60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELV-LO	ELV-LI	ELV-R	ELV-RO
(R-8404)	O	LPVT 1088/1119 (IA-44) CONFIGURATION	02/T4/S7	.000	.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

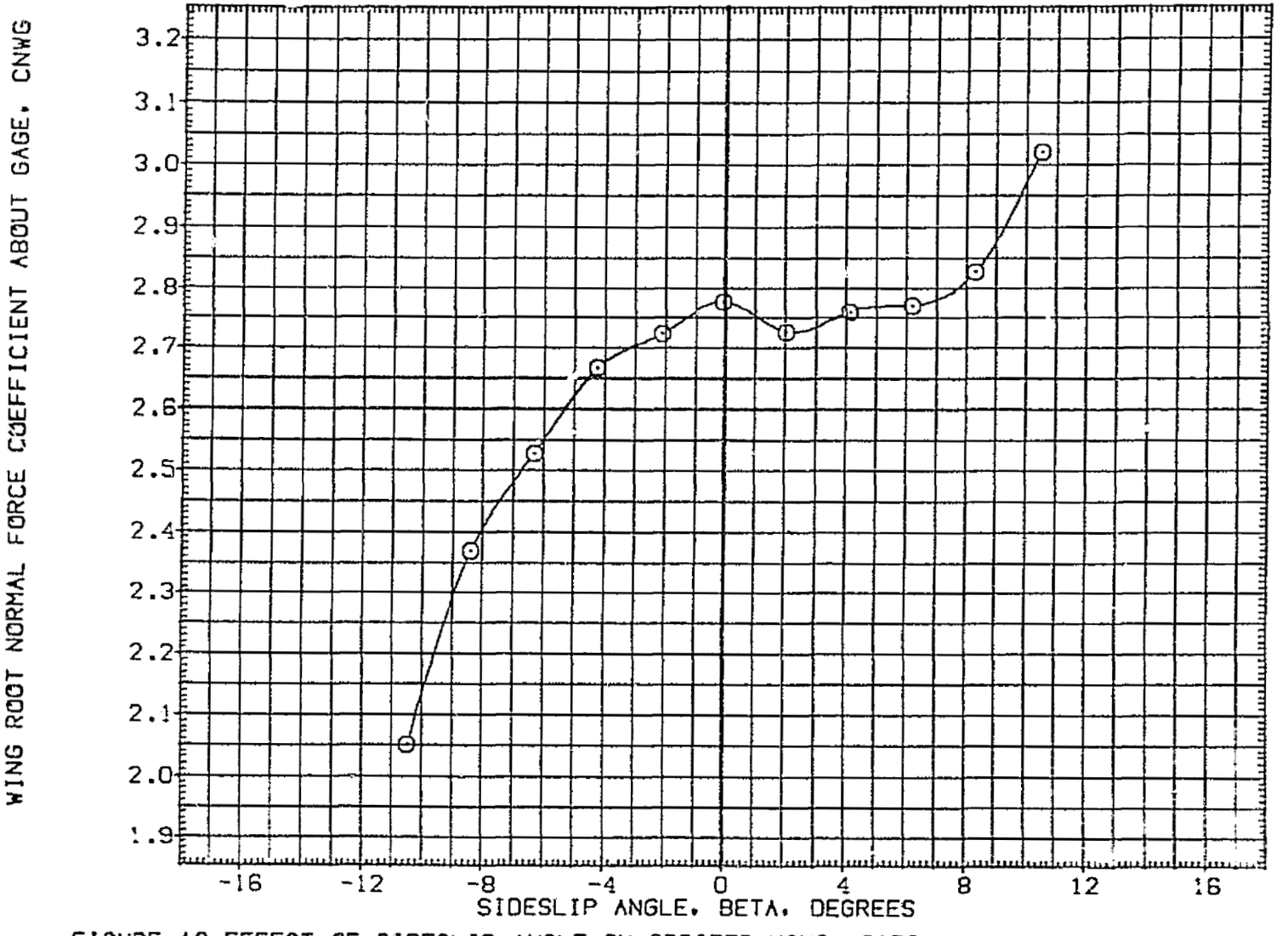


FIGURE 12 EFFECT OF SIDESLIP ANGLE ON ORBITER WING LOADS

(A)MACH = 1.60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-LO	ELV-LI	ELV-RI	ELV-RO
(R-8M04) ○	OPVT 1088/1119 (IA-44) CONFIGURATION 02/T4/S7	.000	.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

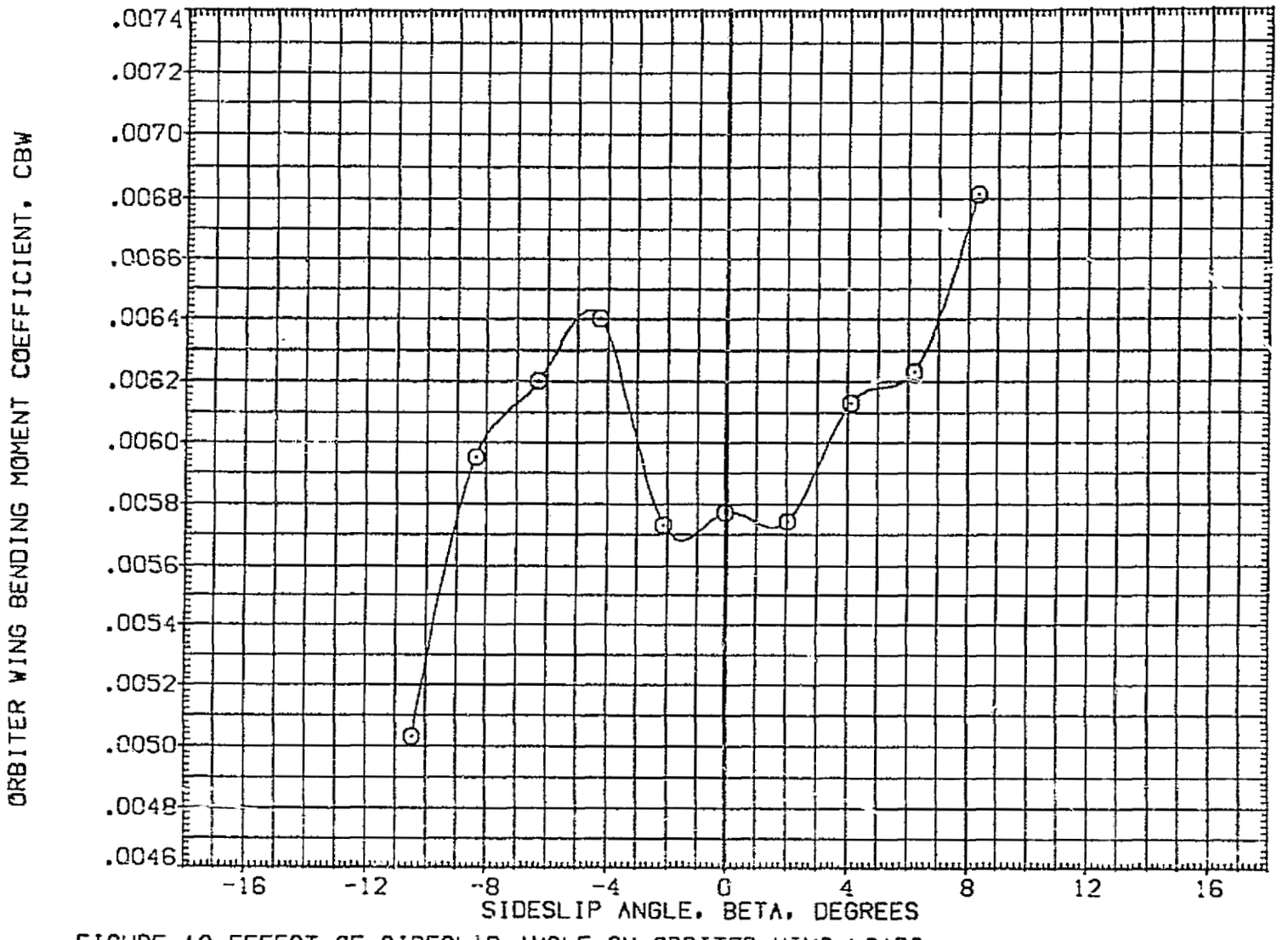


FIGURE 12 EFFECT OF SIDESLIP ANGLE ON ORBITER WING LOADS

(B)MACH = 2.00

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-LO	ELV-LI	ELV-RI	ELV-RO
(R-8M04) ○	UPWT 1088/1119 (IA-44) CONFIGURATION 02/T4/S7	.000	.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

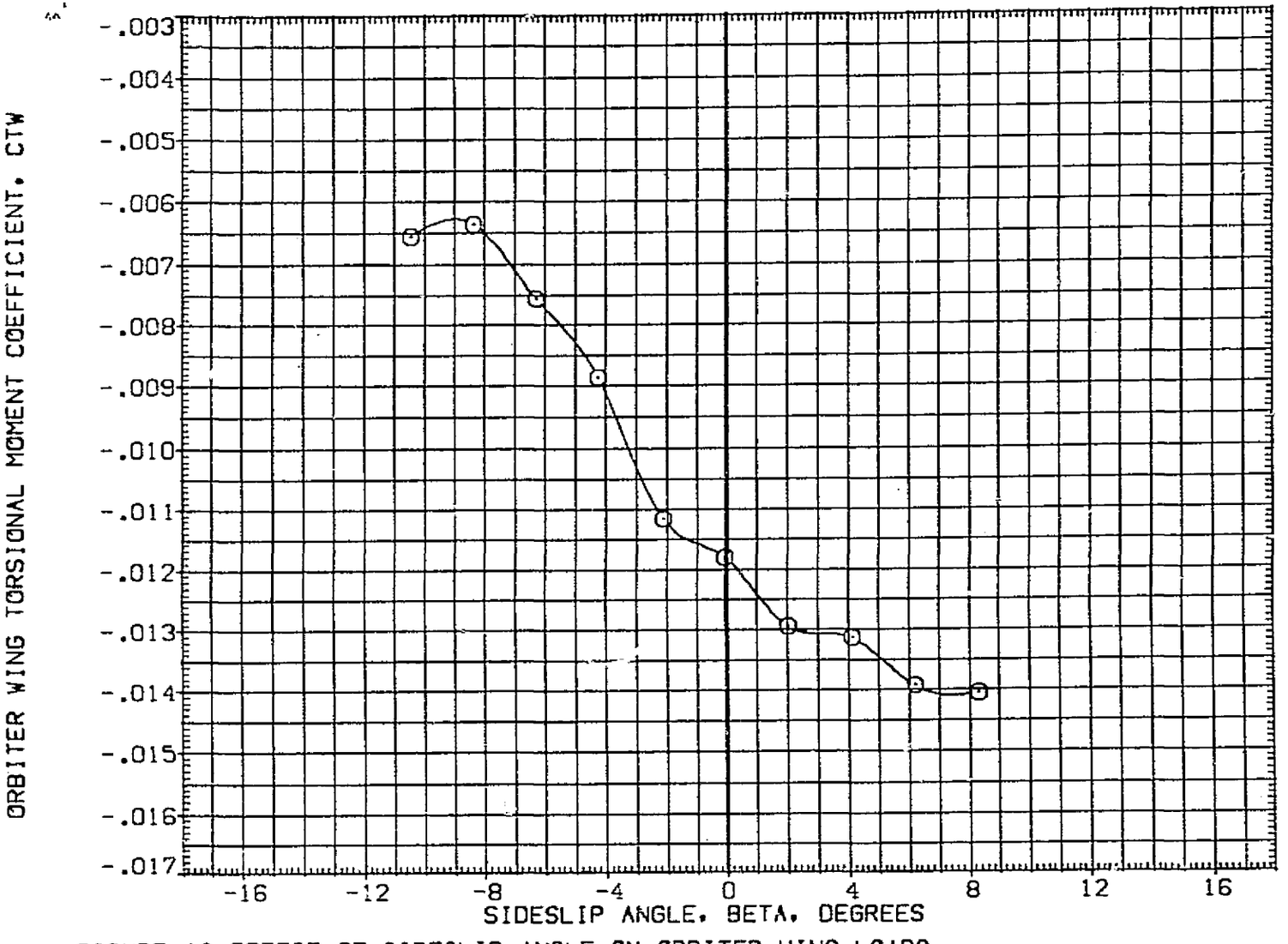


FIGURE 12 EFFECT OF SIDESLIP ANGLE ON ORBITER WING LOADS

(B)MACH = 2.00

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-LO	ELV-LI	ELV-RI	ELV-RO
[RHBM04] ○	UPWT 1088/1119 (IA-44) CONFIGURATION 02/T4/S7	.000	.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

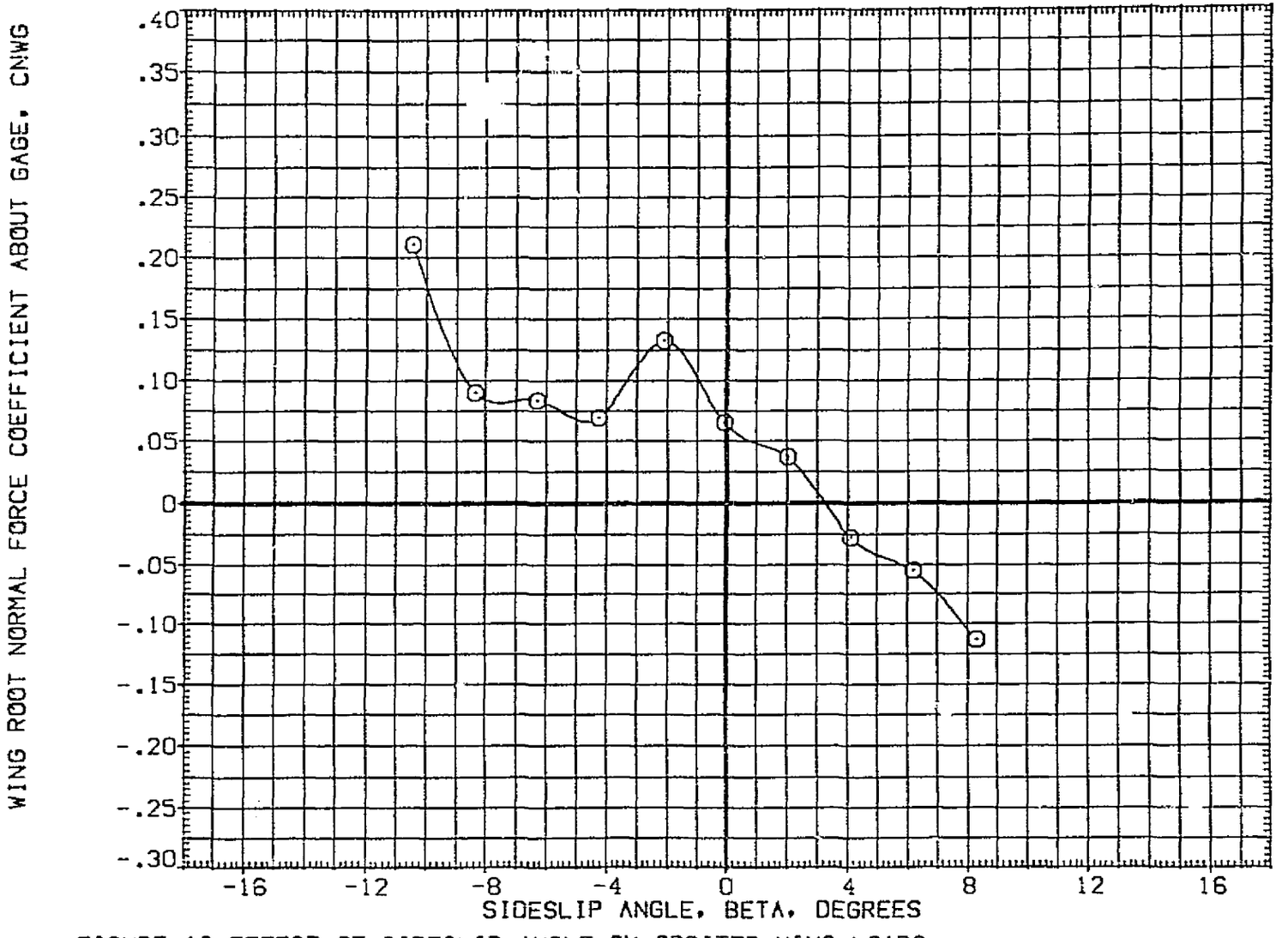


FIGURE 12 EFFECT OF SIDESLIP ANGLE ON ORBITER WING LOADS

(B)MACH = 2.00

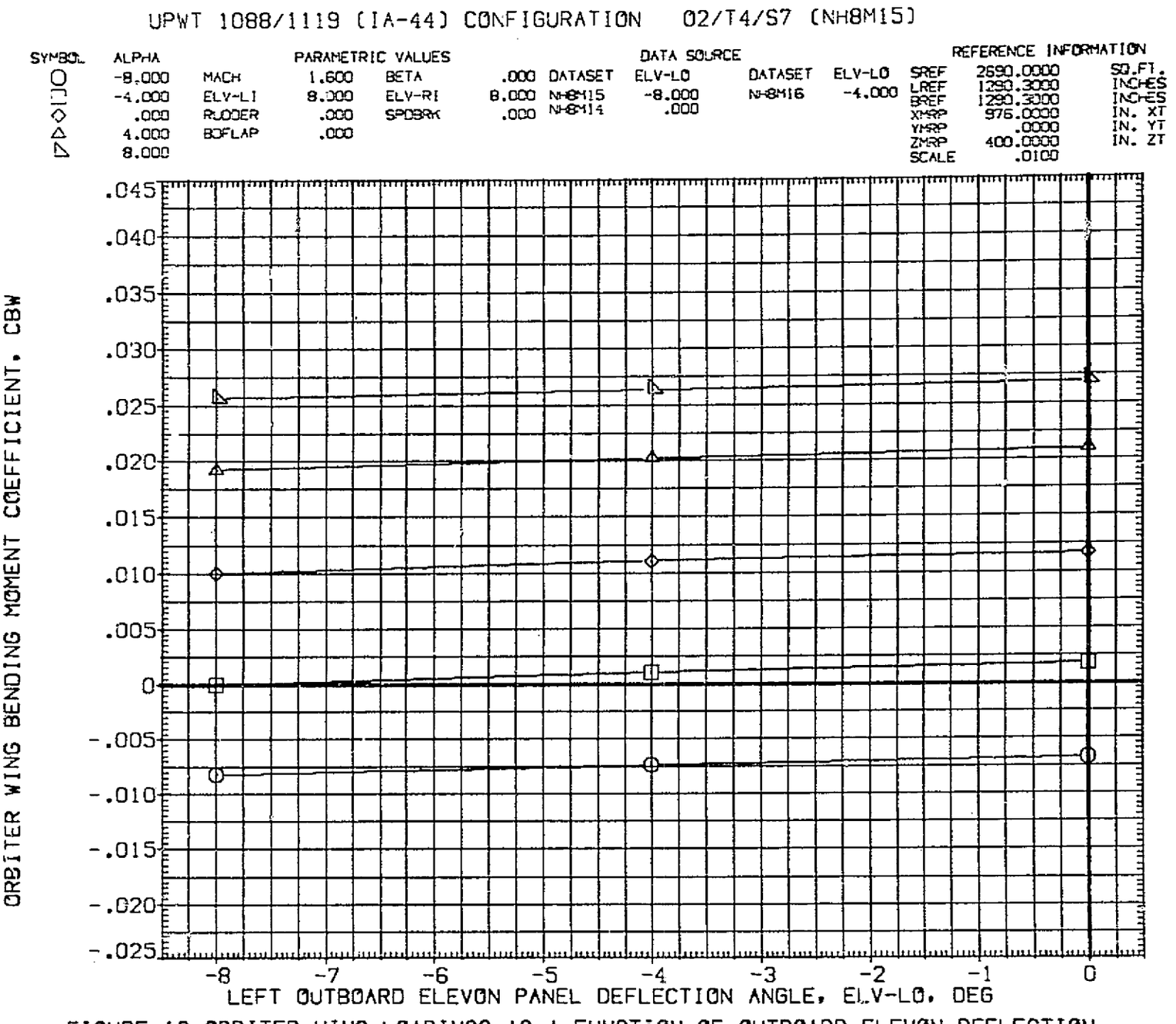


FIGURE 13 ORBITER WING LOADINGS AS A FUNCTION OF OUTBOARD ELEVON DEFLECTION

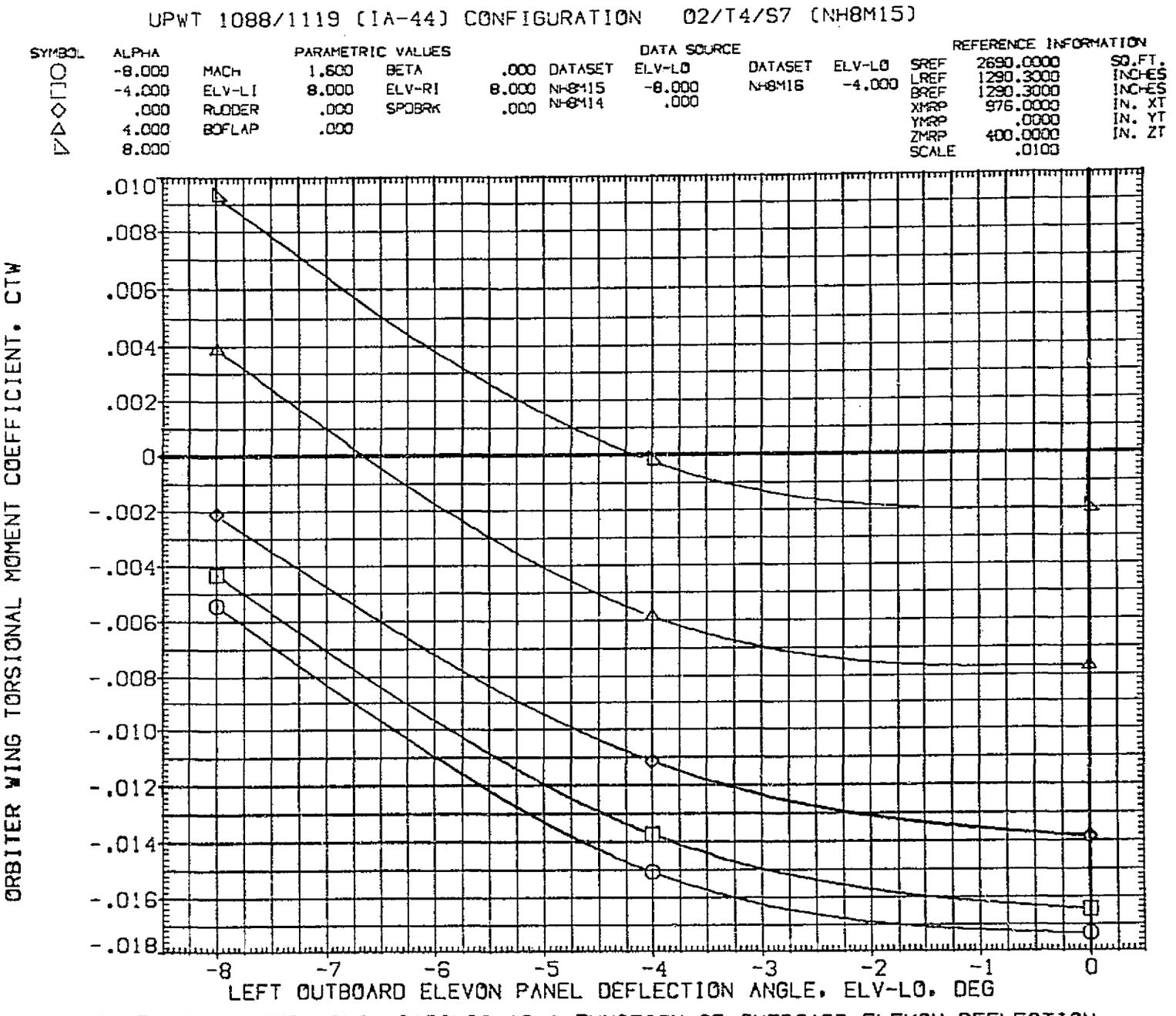


FIGURE 13 ORBITER WING LOADINGS AS A FUNCTION OF OUTBOARD ELEVON DEFLECTION

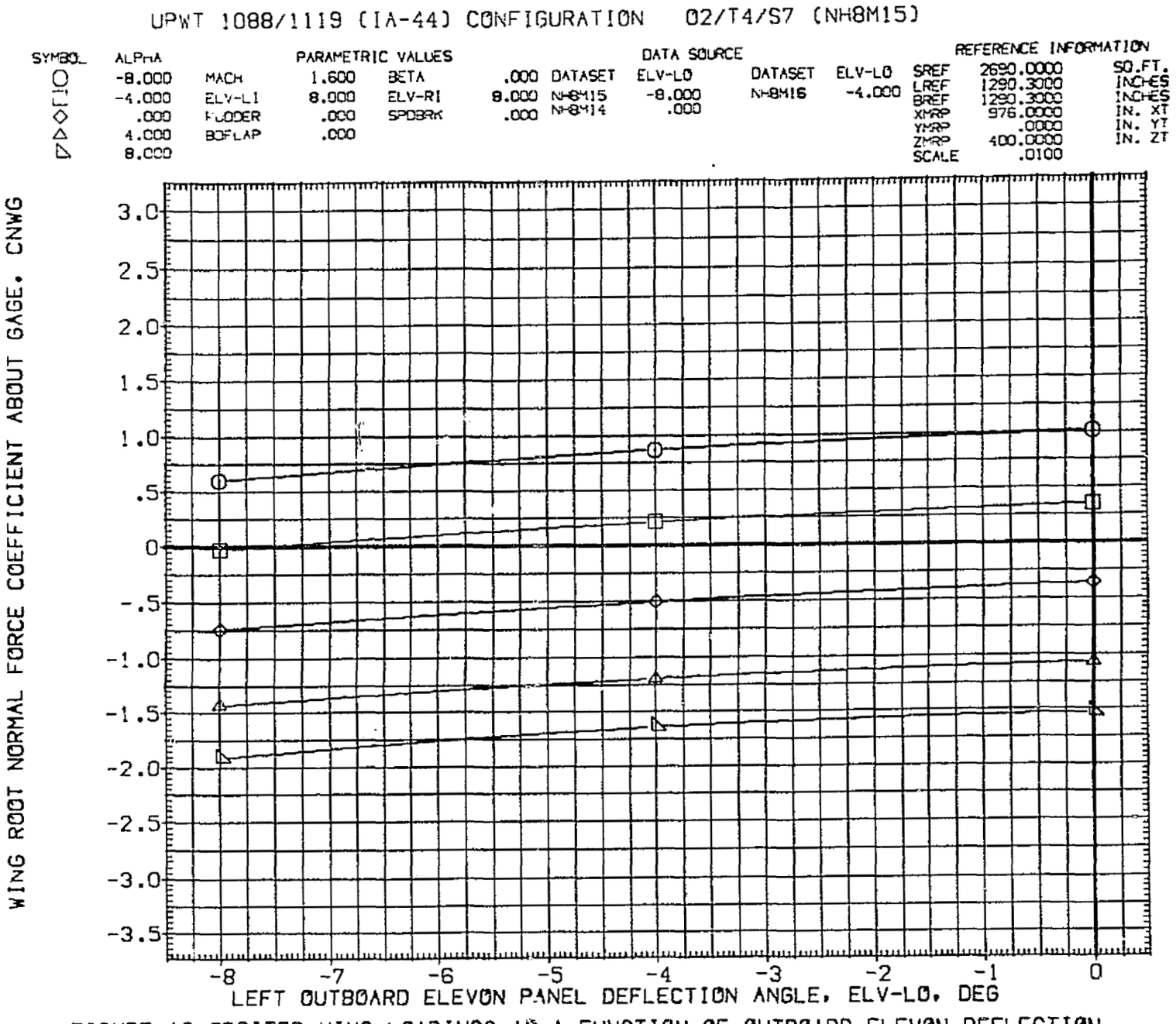


FIGURE 13 ORBITER WING LOADINGS AS A FUNCTION OF OUTBOARD ELEVON DEFLECTION

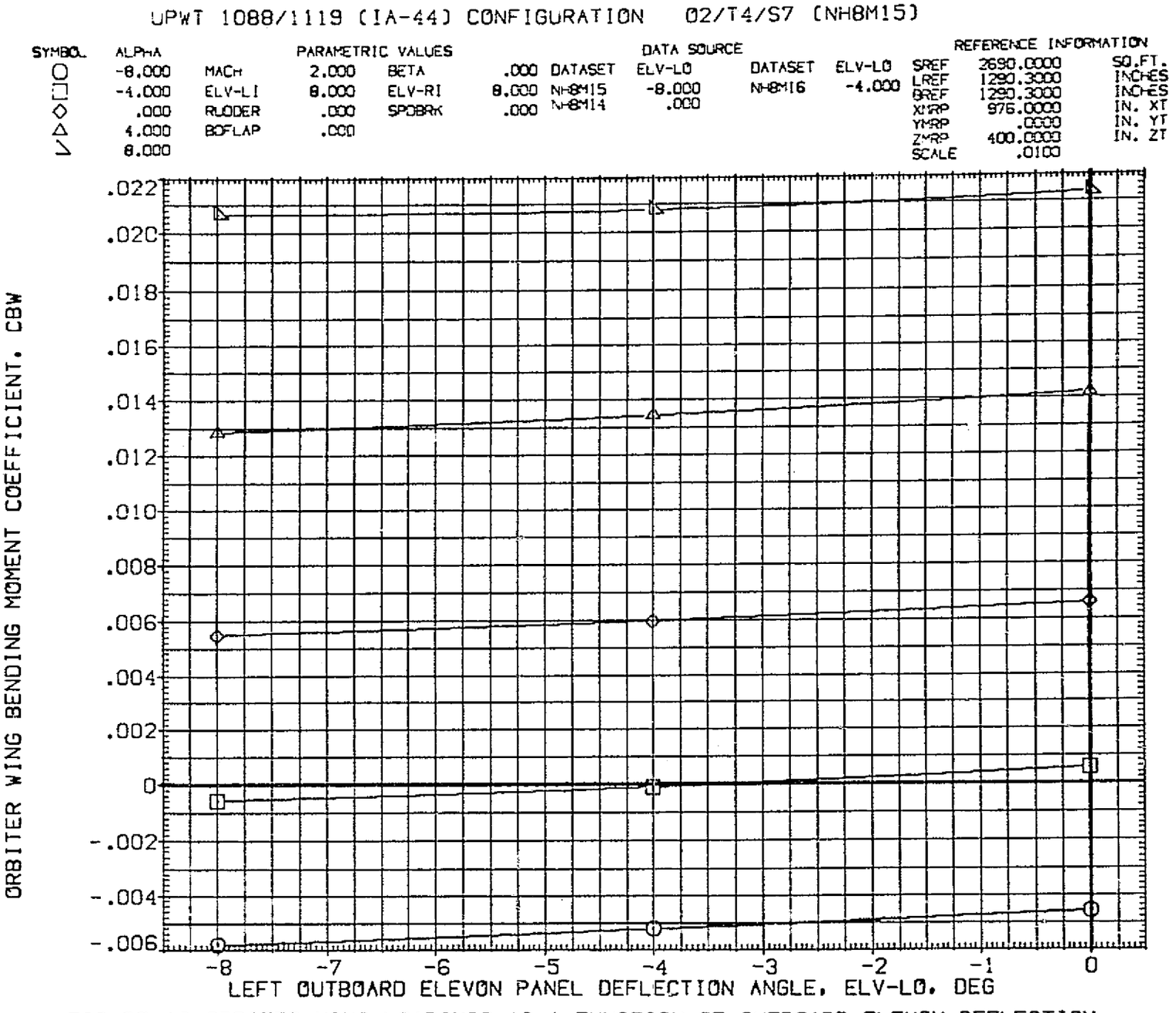


FIGURE 13 ORBITER WING LOADINGS AS A FUNCTION OF OUTBOARD ELEVON DEFLECTION

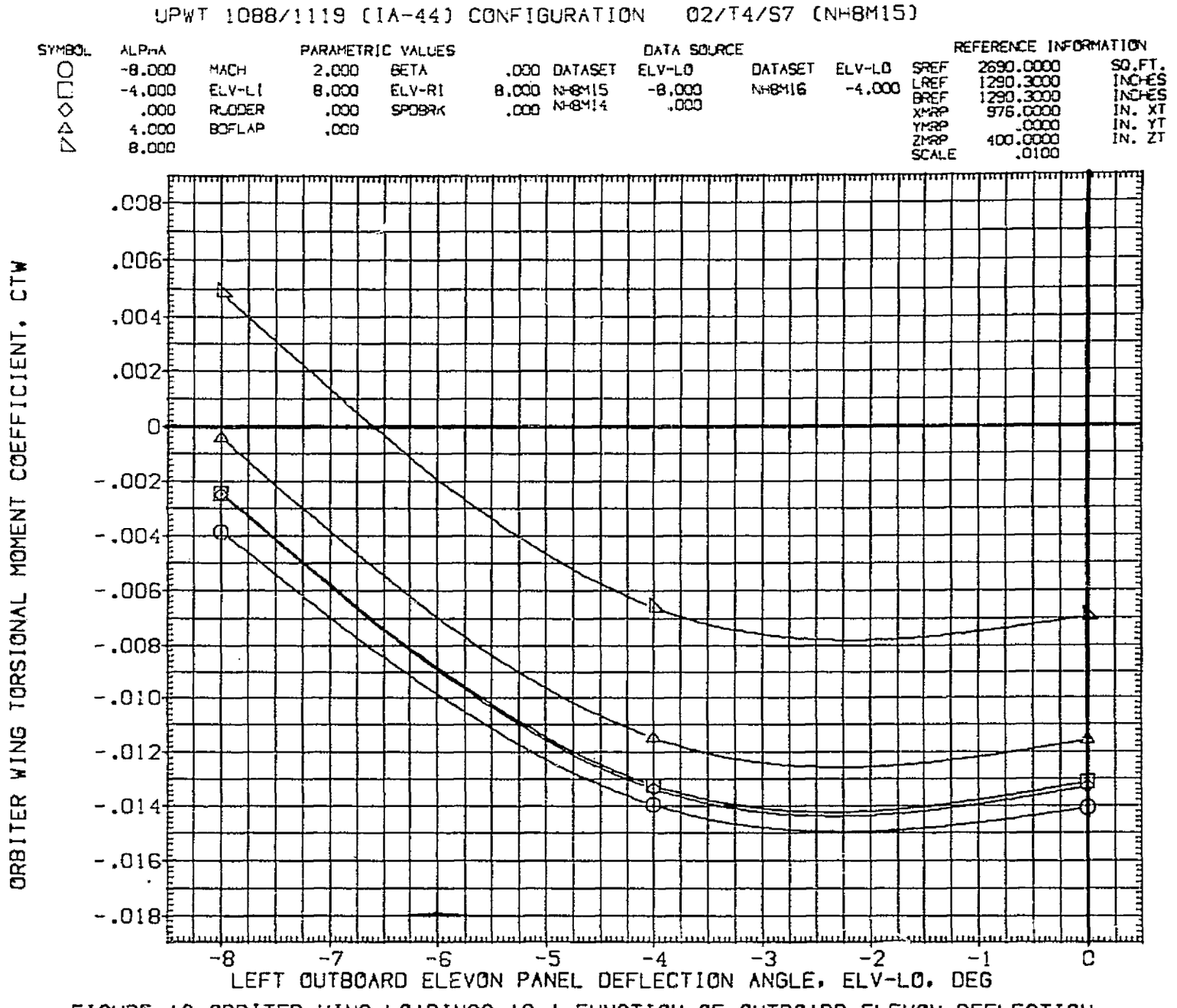


FIGURE 13 ORBITER WING LOADINGS AS A FUNCTION OF OUTBOARD ELEVON DEFLECTION

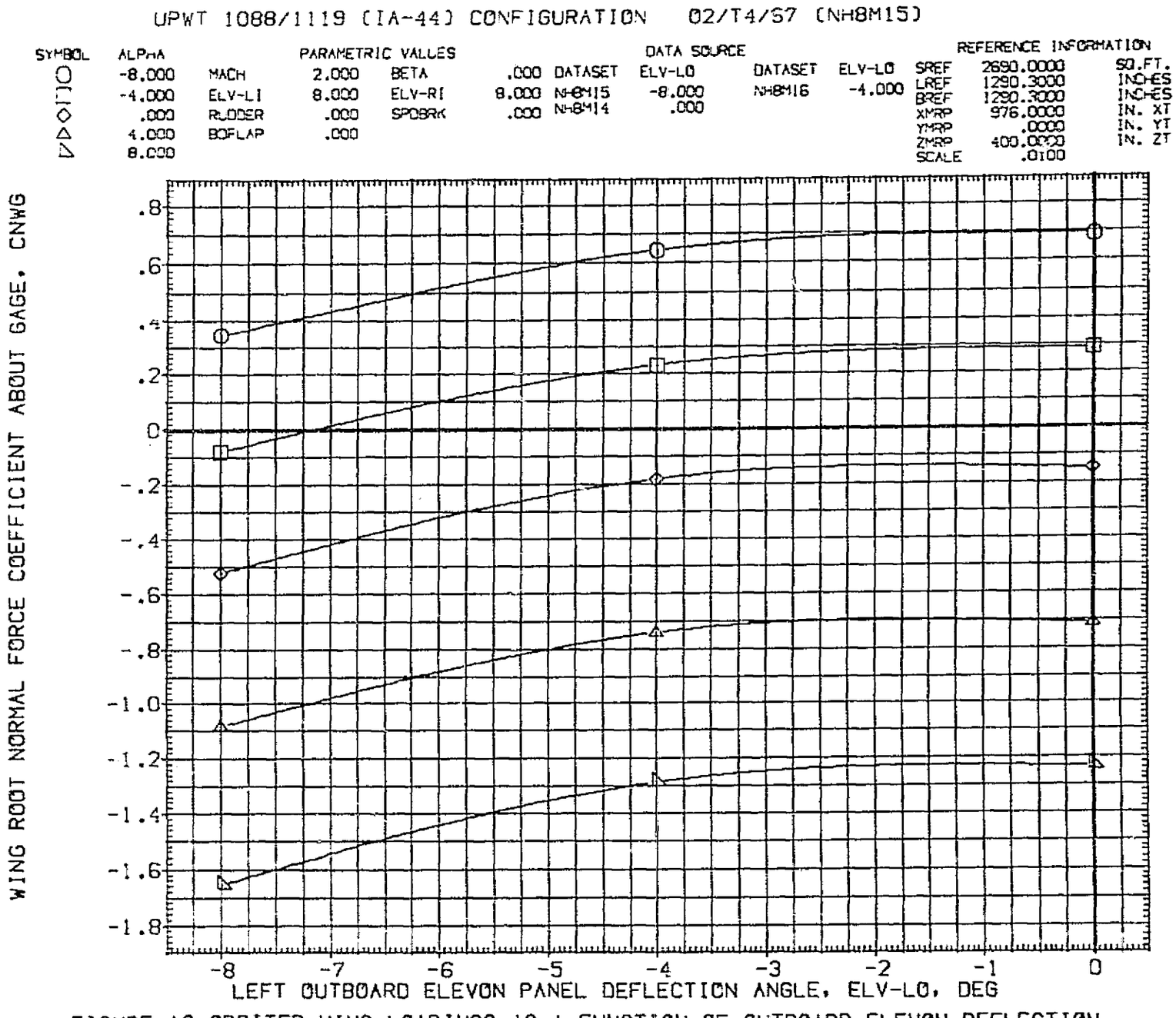


FIGURE 13 ORBITER WING LOADINGS AS A FUNCTION OF OUTBOARD ELEVON DEFLECTION

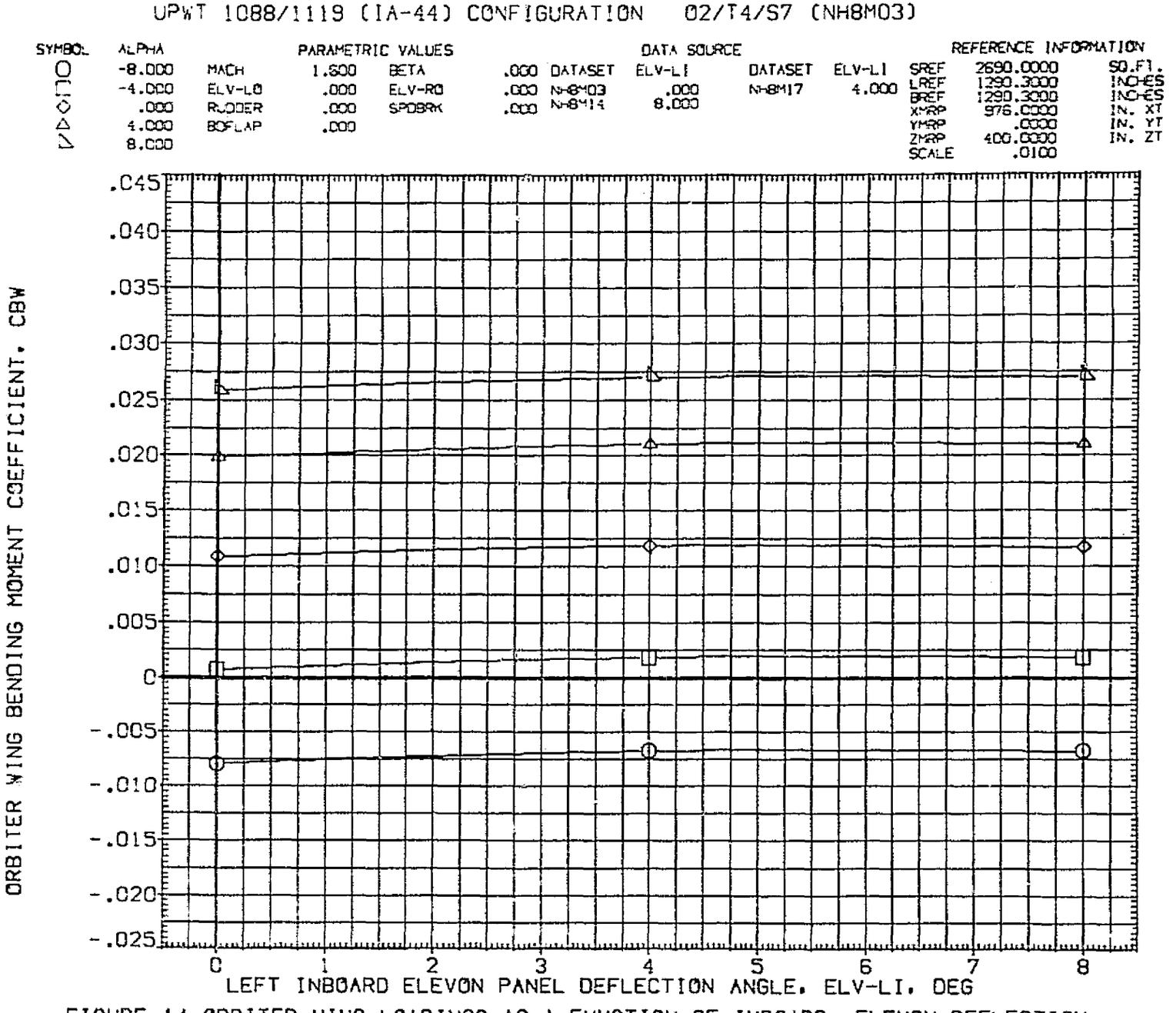


FIGURE 14 ORBITER WING LOADINGS AS A FUNCTION OF INBOARD ELEVON DEFLECTION

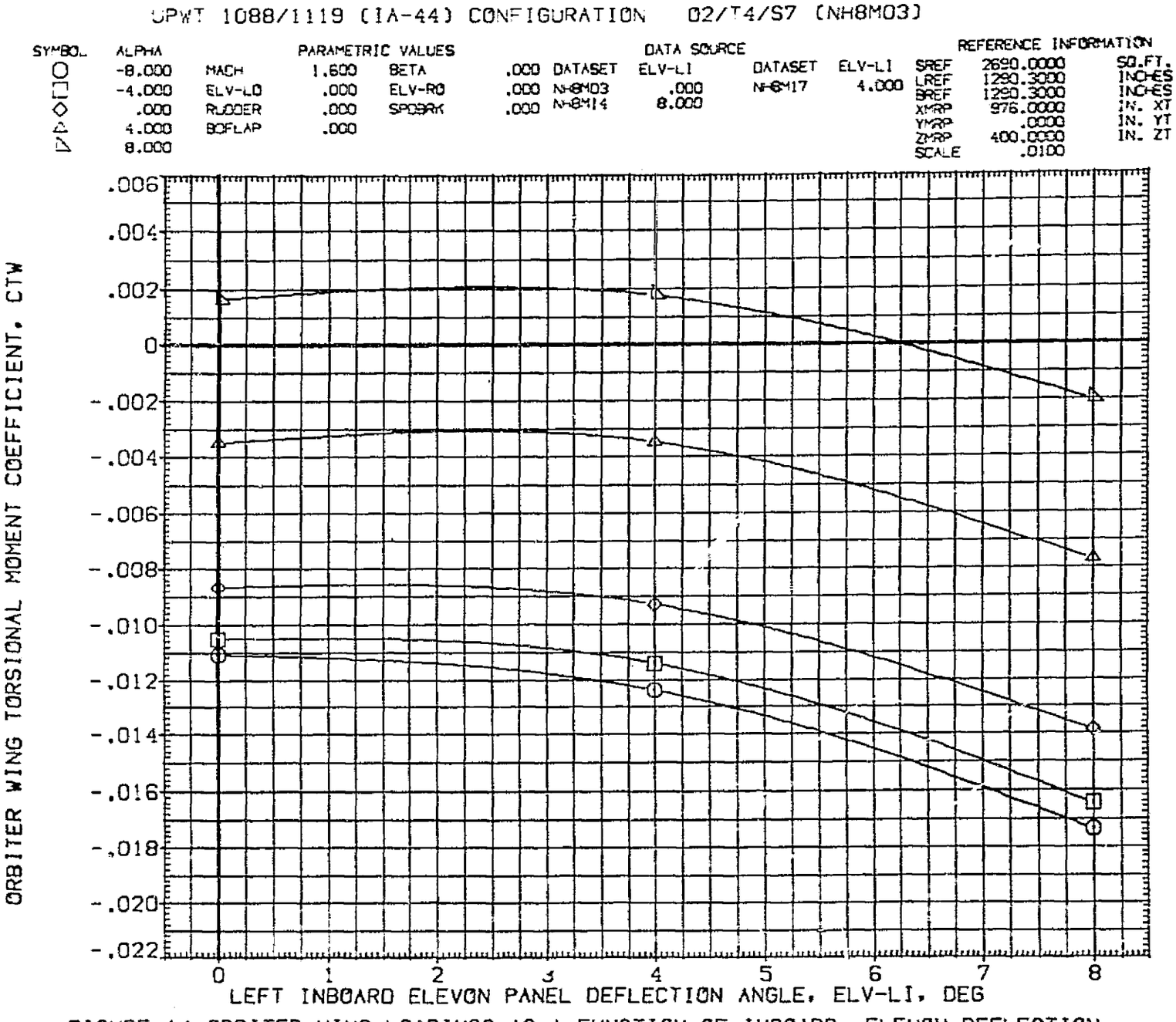


FIGURE 14 ORBITER WING LOADINGS AS A FUNCTION OF INBOARD ELEVON DEFLECTION

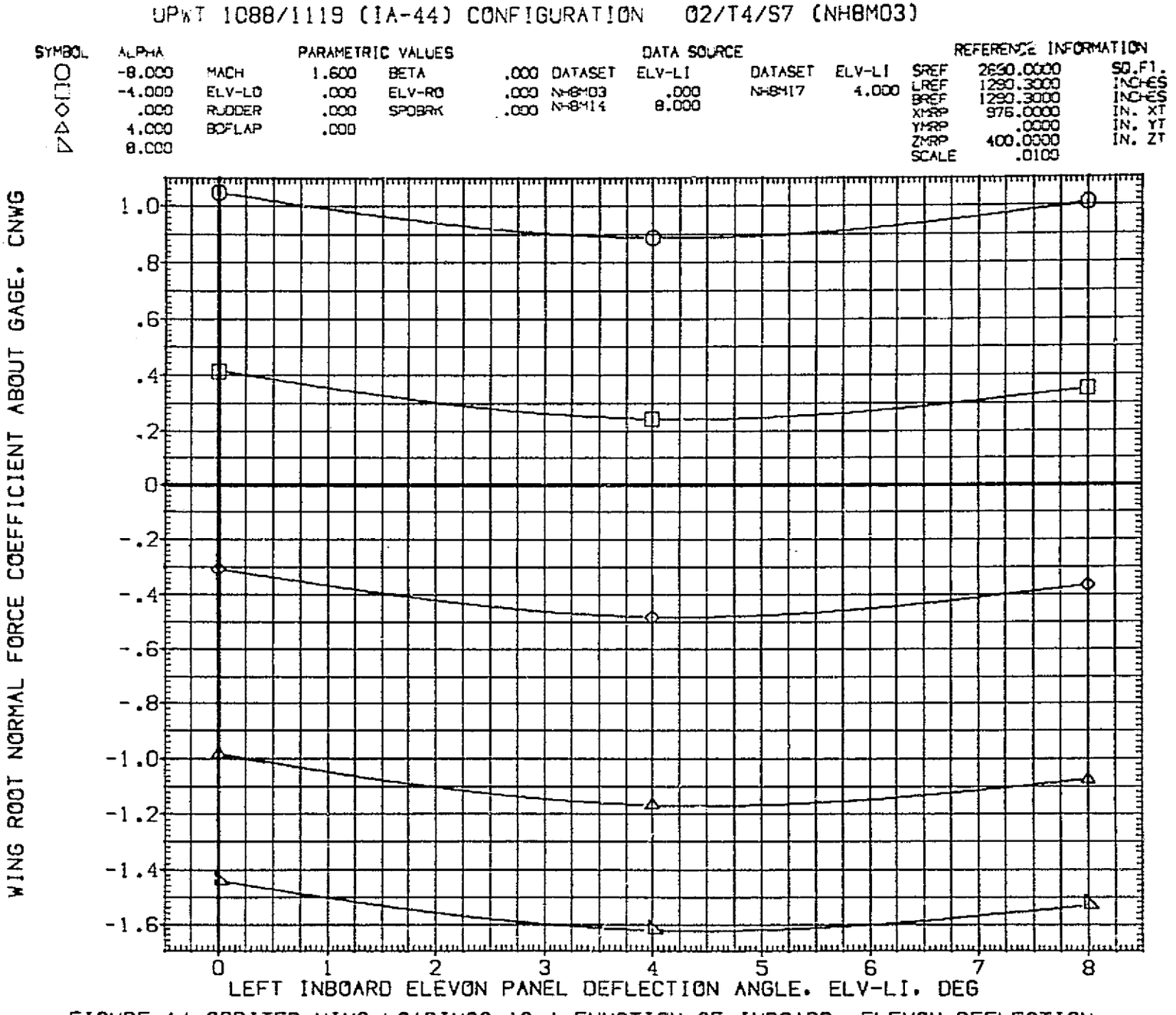


FIGURE 14 ORBITER WING LOADINGS AS A FUNCTION OF INBOARD ELEVON DEFLECTION

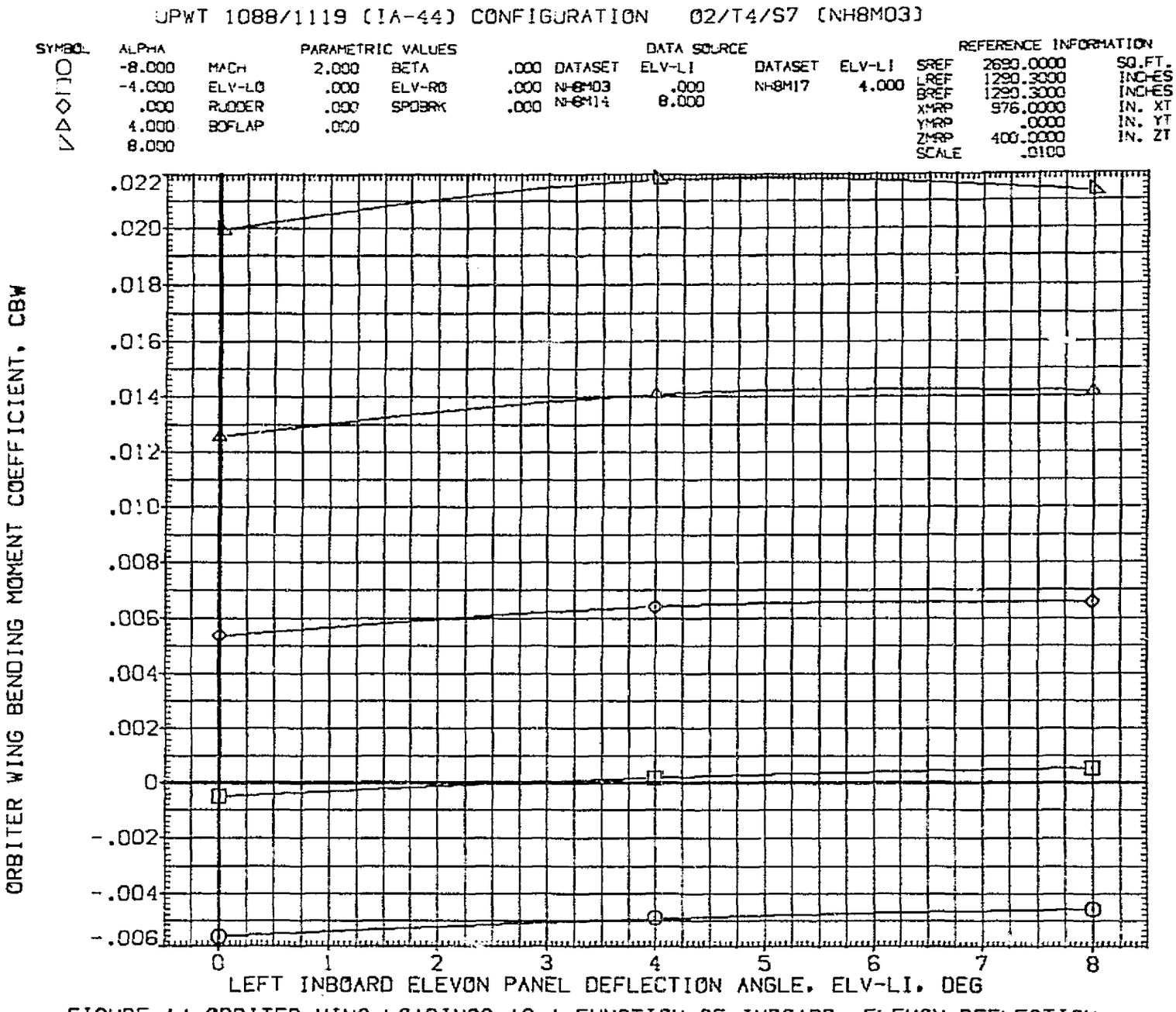


FIGURE 14 ORBITER WING LOADINGS AS A FUNCTION OF INBOARD ELEVON DEFLECTION

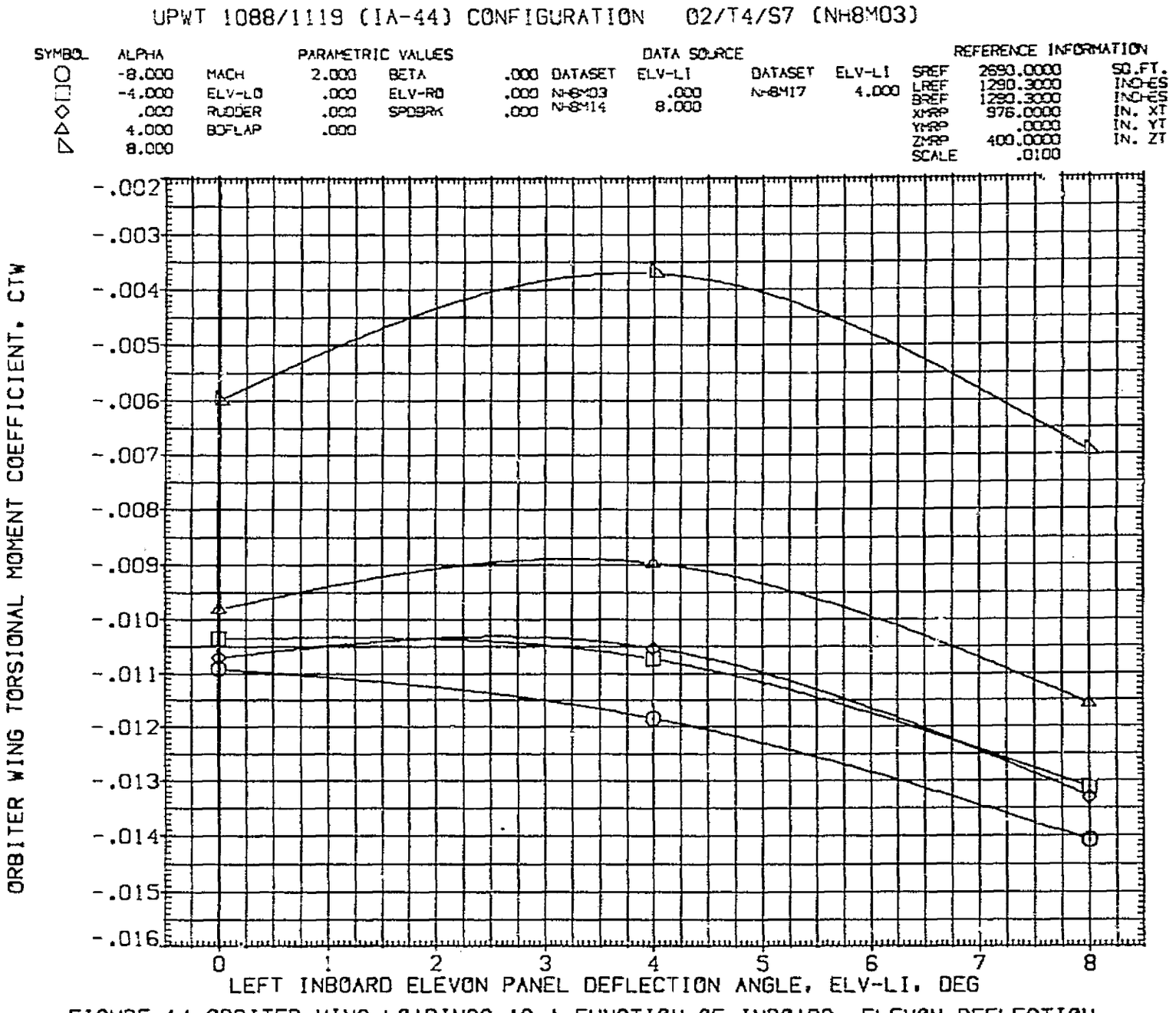


FIGURE 14 ORBITER WING LOADINGS AS A FUNCTION OF INBOARD ELEVON DEFLECTION

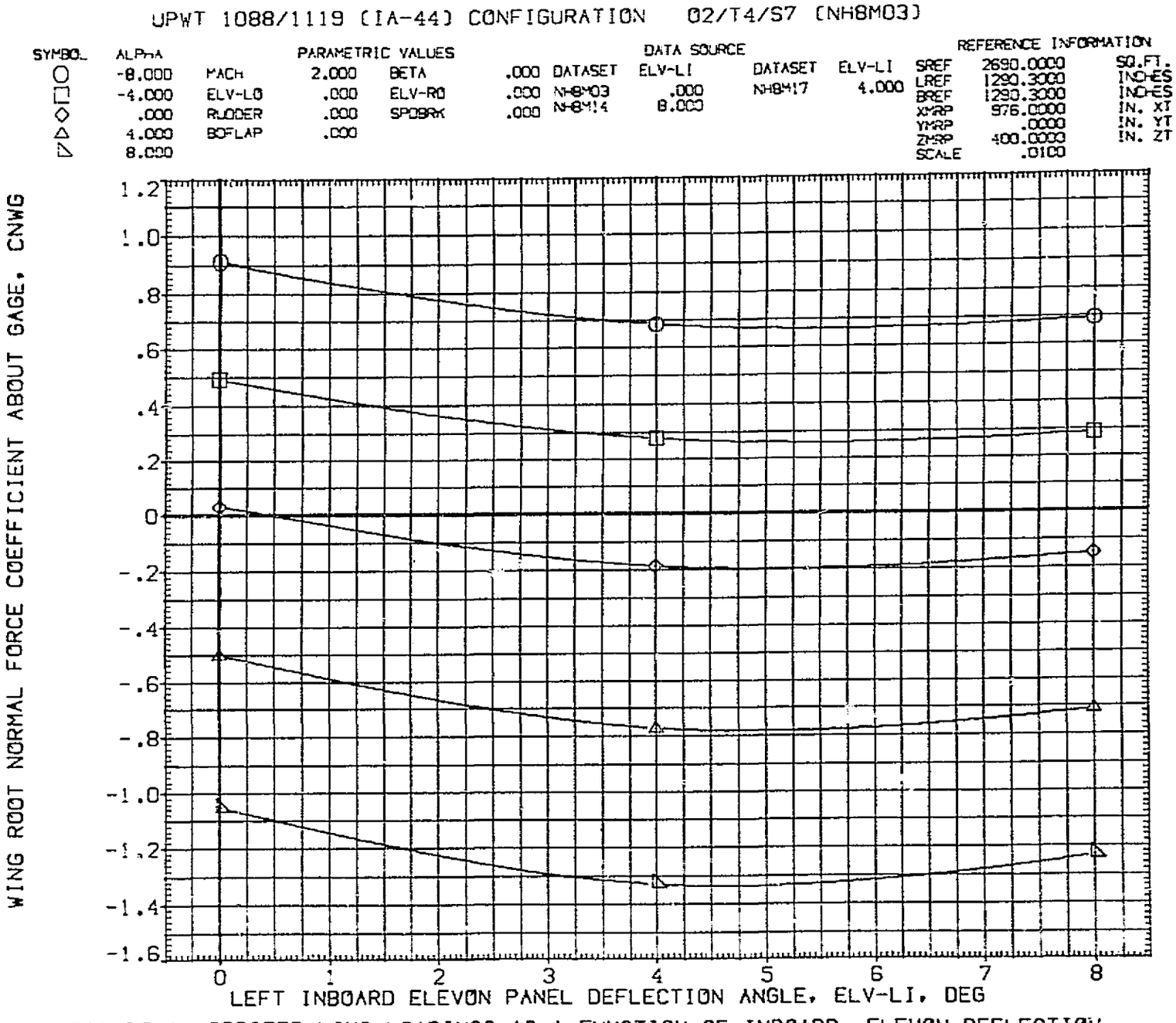


FIGURE 14 ORBITER WING LOADINGS AS A FUNCTION OF INBOARD ELEVON DEFLECTION

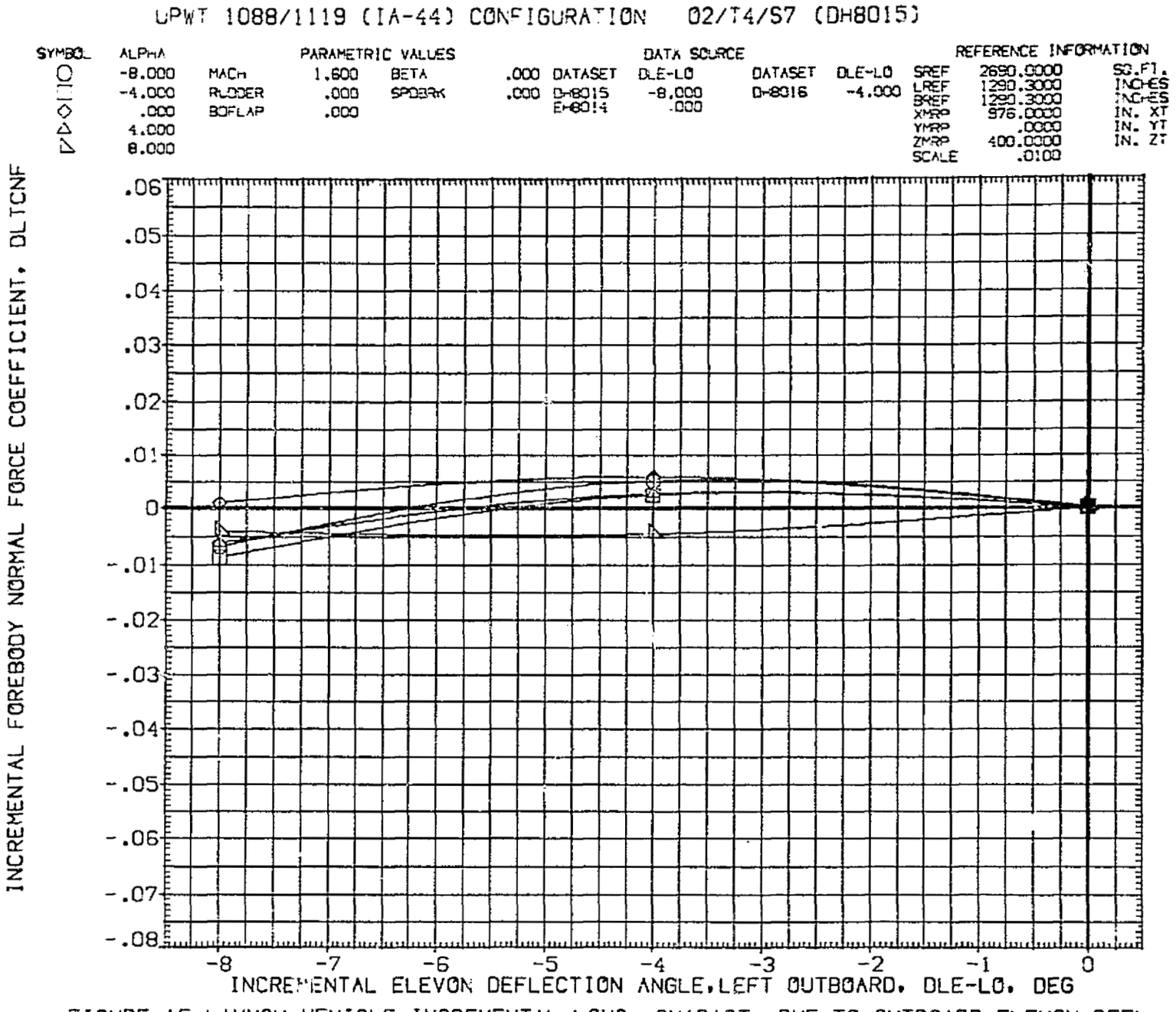


FIGURE 15 LAUNCH VEHICLE INCREMENTAL LONG. CHARACT DUE TO OUTBOARD ELEVON DEFL.

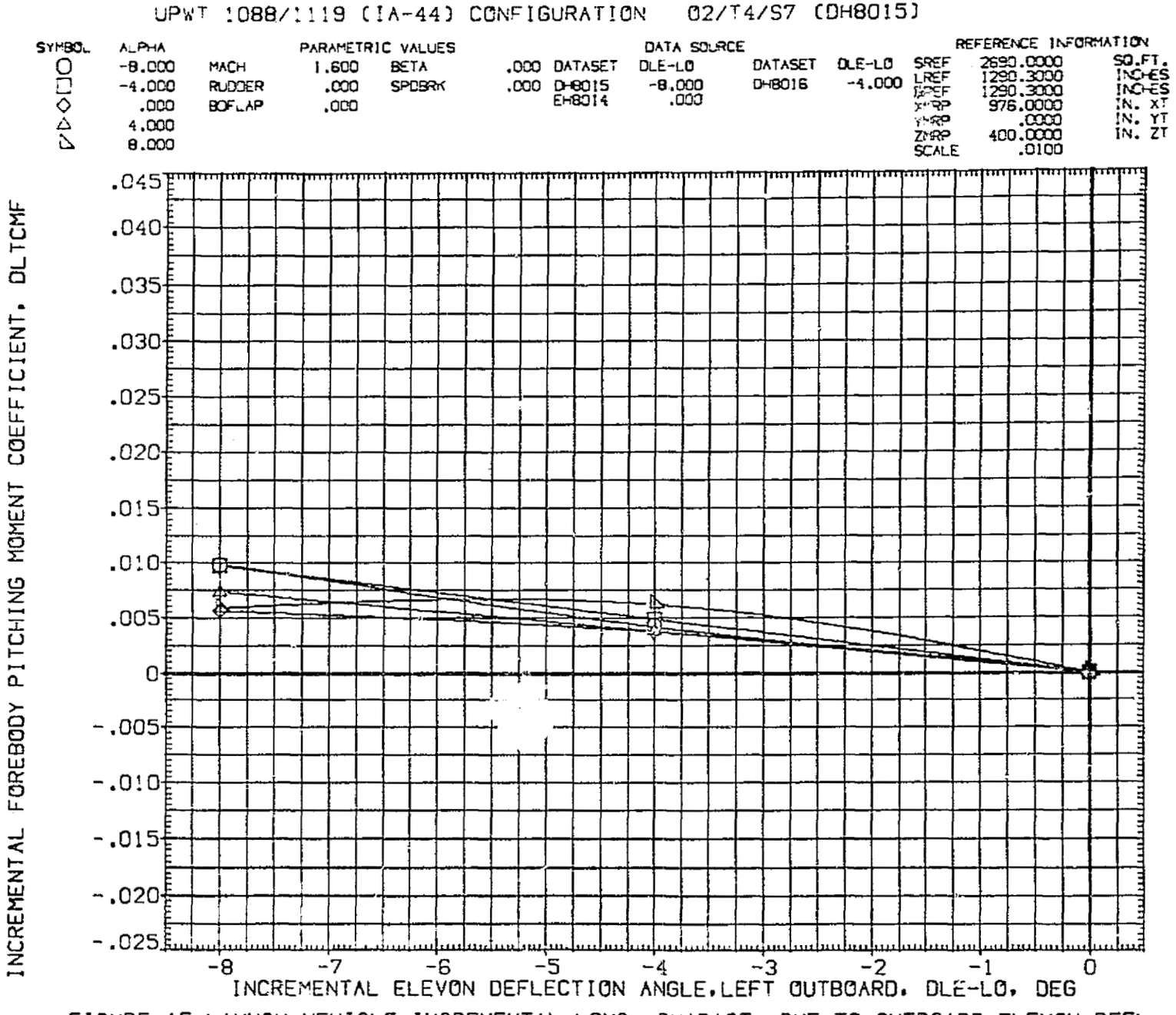


FIGURE 15 LAUNCH VEHICLE INCREMENTAL LONG. CHARACT DUE TO OUTBOARD ELEVON DEFL.

UPWT 1088/1119 (IA-44) CONFIGURATION 02/T4/S7 (DH8015)

SYMBOL	ALPHA	PARAMETRIC VALUES				DATA SOURCE				REFERENCE INFORMATION		
○	-8.000	MACH	1.600	BETA	.000	DATASET	DLE-L0	DATASET	DLE-L0	SREF	2690.0000	SQ.FT.
□	-4.000	RUDDER	.000	SPOBRK	.000	DH8015	-8.000	DH8016	-4.000	LREF	1290.3000	INCHES
◇	.000	BOFLAP	.000			EH8014	.000			BREF	1290.3000	INCHES
△	4.000									XMRP	976.0000	IN. XT
▷	8.000									YMRP	.0000	IN. YT
										ZMRP	400.0000	IN. ZT
										SCALE	.0100	

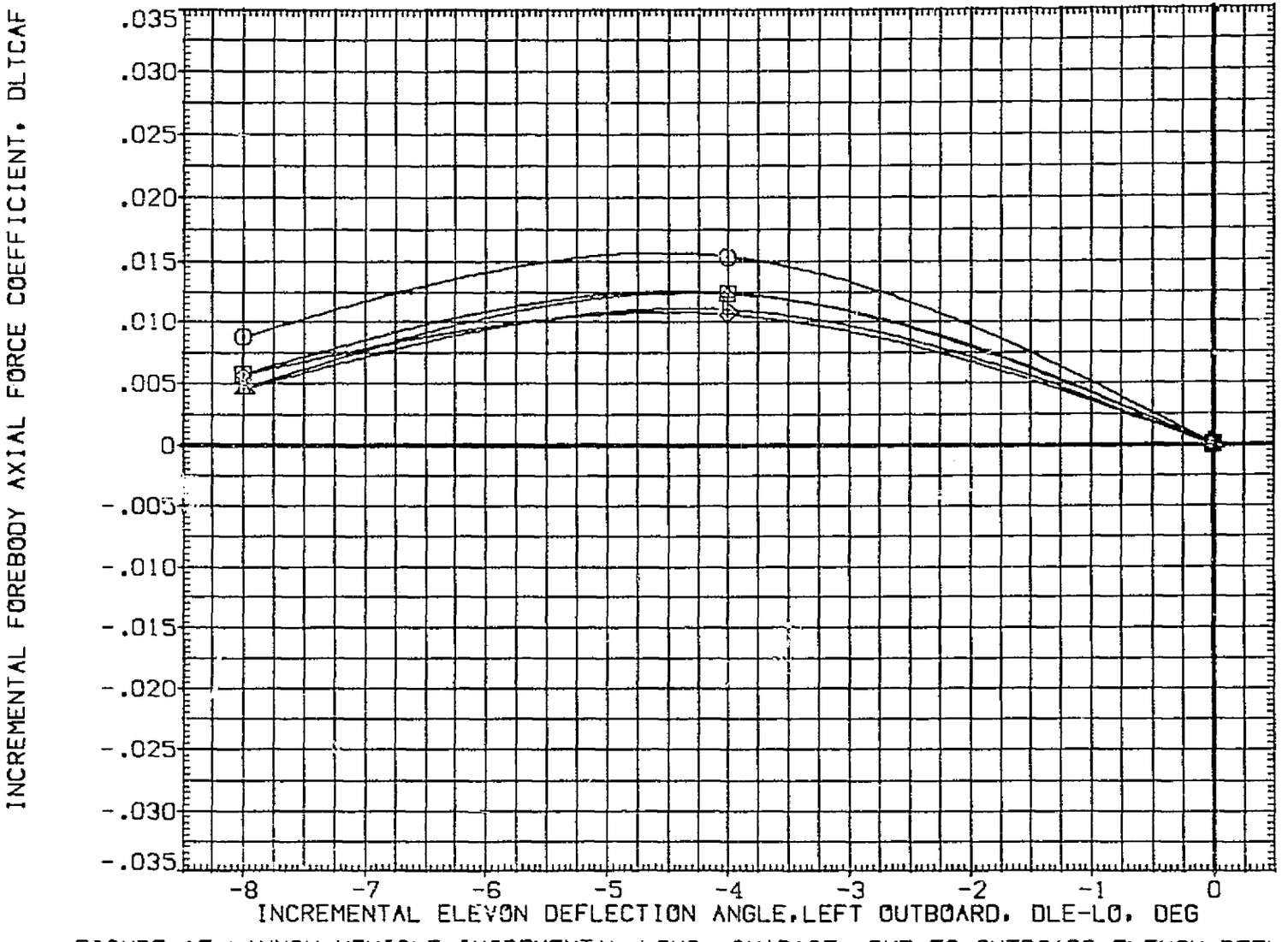


FIGURE 15 LAUNCH VEHICLE INCREMENTAL LONG. CHARACT DUE TO OUTBOARD ELEVON DEFL.

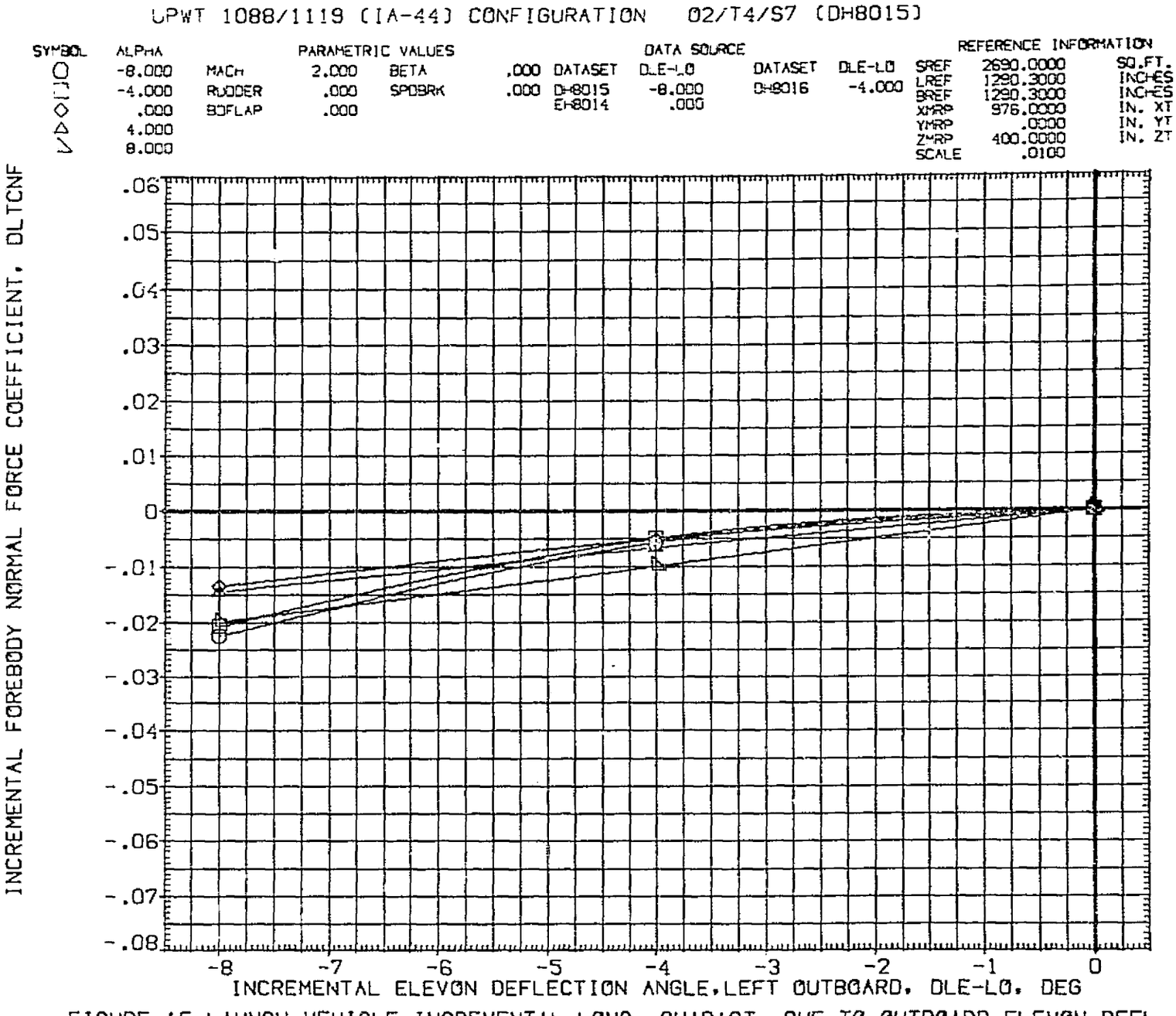


FIGURE 15 LAUNCH VEHICLE INCREMENTAL LONG. CHARACT DUE TO OUTBOARD ELEVON DEFL.

UPWT 1088/1119 (IA-44) CONFIGURATION 02/T4/S7 (DH8015)

SYMBOL	ALPHA	PARAMETRIC VALUES				DATA SOURCE				REFERENCE INFORMATION		
▽	-8.000	MACH	2.000	BETA	.000	DATASET	DLE-LO	DATASET	DLE-LO	SREF	2690.0000	SQ.FT.
△	-4.000	RUDDER	.000	SPDBRK	.000	DH8015	-8.000	DH8016	-4.000	LREF	1290.3000	INCHES
◇	.000	BOFLAP	.000			EH8014	.000			BREF	1290.3000	INCHES
[]	4.000									XMRP	976.0000	IN. XT
○	8.000									YMRP	.0000	IN. YT
										ZMRP	400.0000	IN. ZT
										SCALE	.0100	

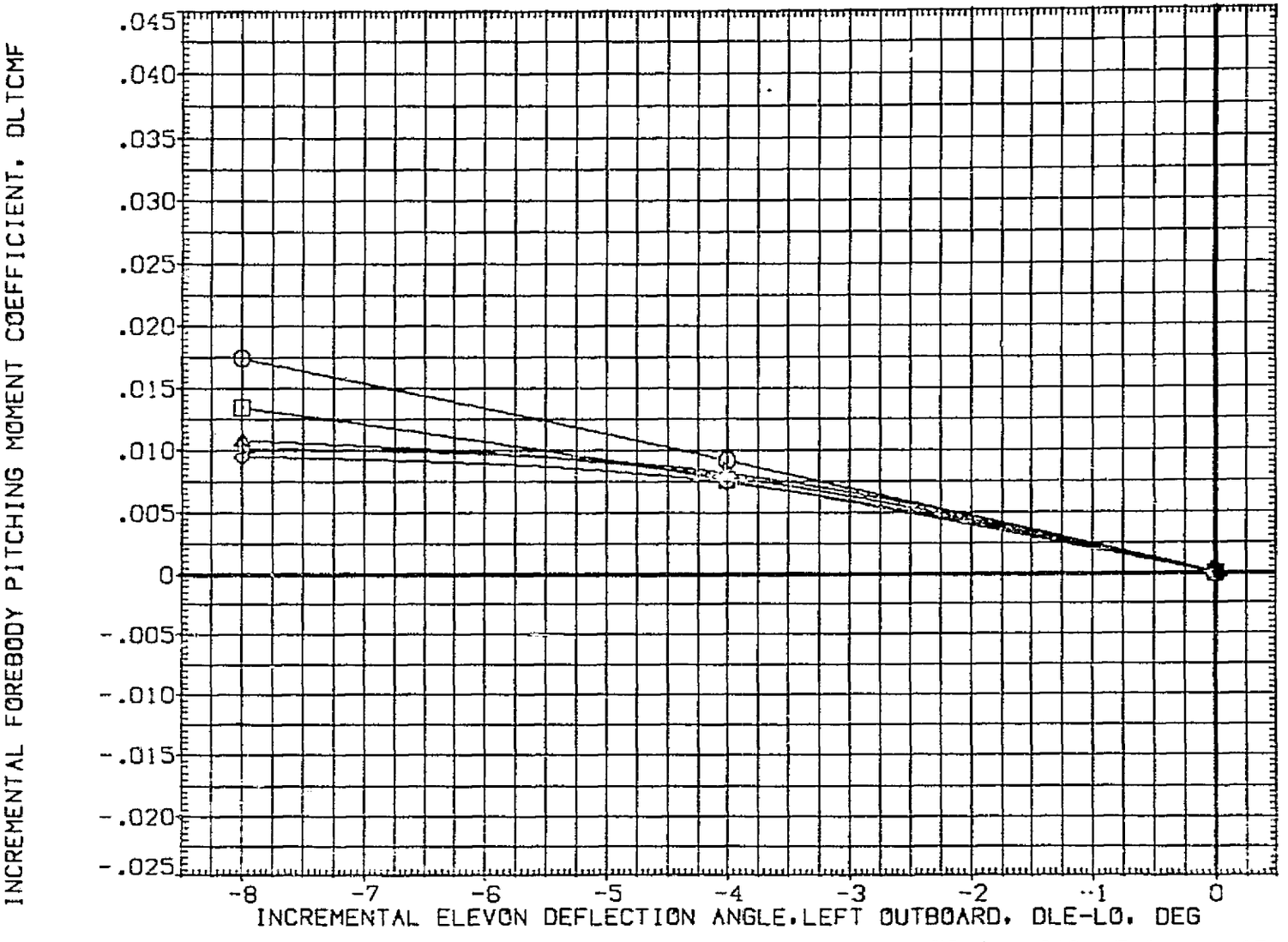


FIGURE 15 LAUNCH VEHICLE INCREMENTAL LONG. CHARACT DUE TO OUTBOARD ELEVON DEFL.

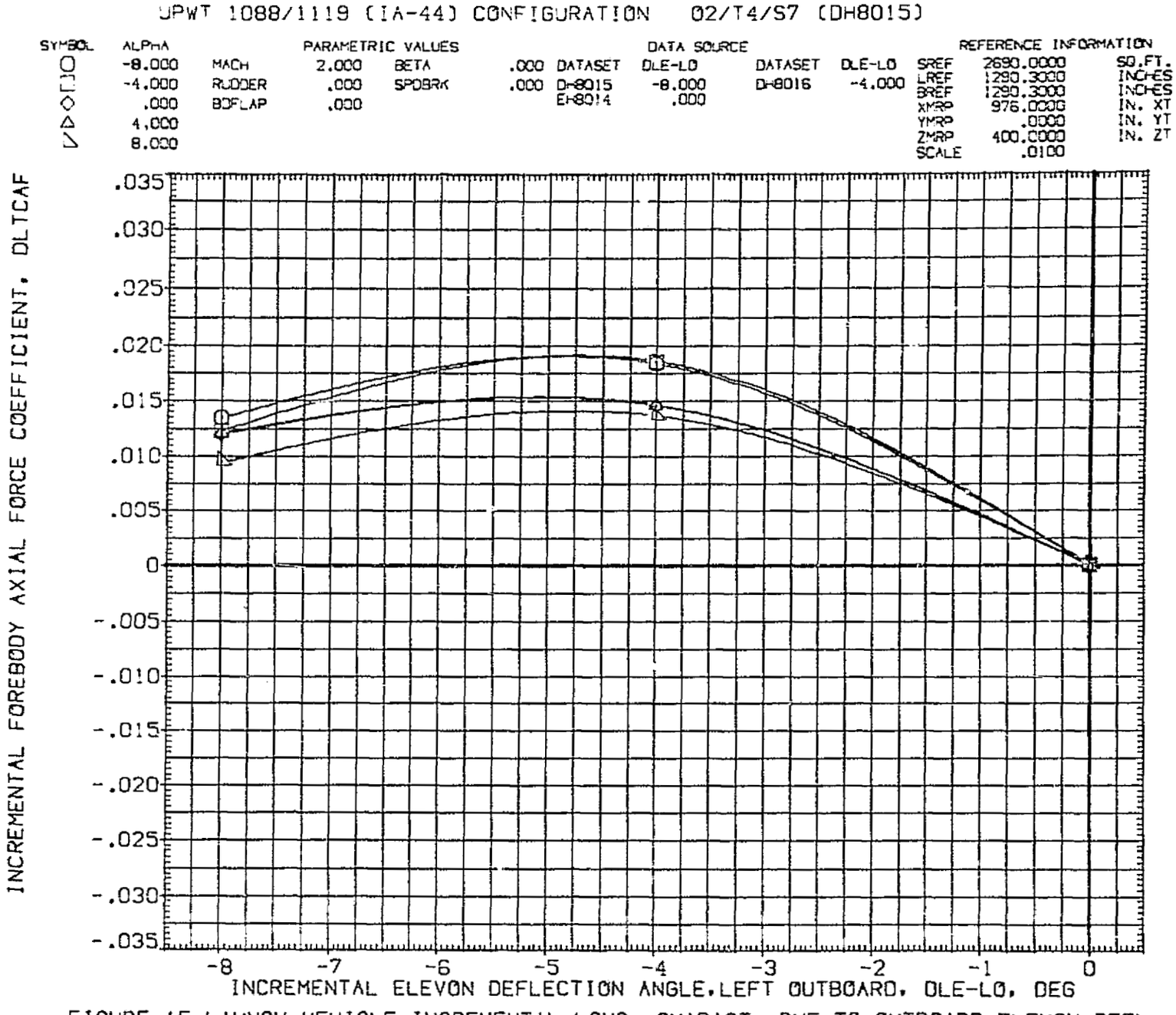


FIGURE 15 LAUNCH VEHICLE INCREMENTAL LONG. CHARACT DUE TO OUTBOARD ELEVON DEFL.

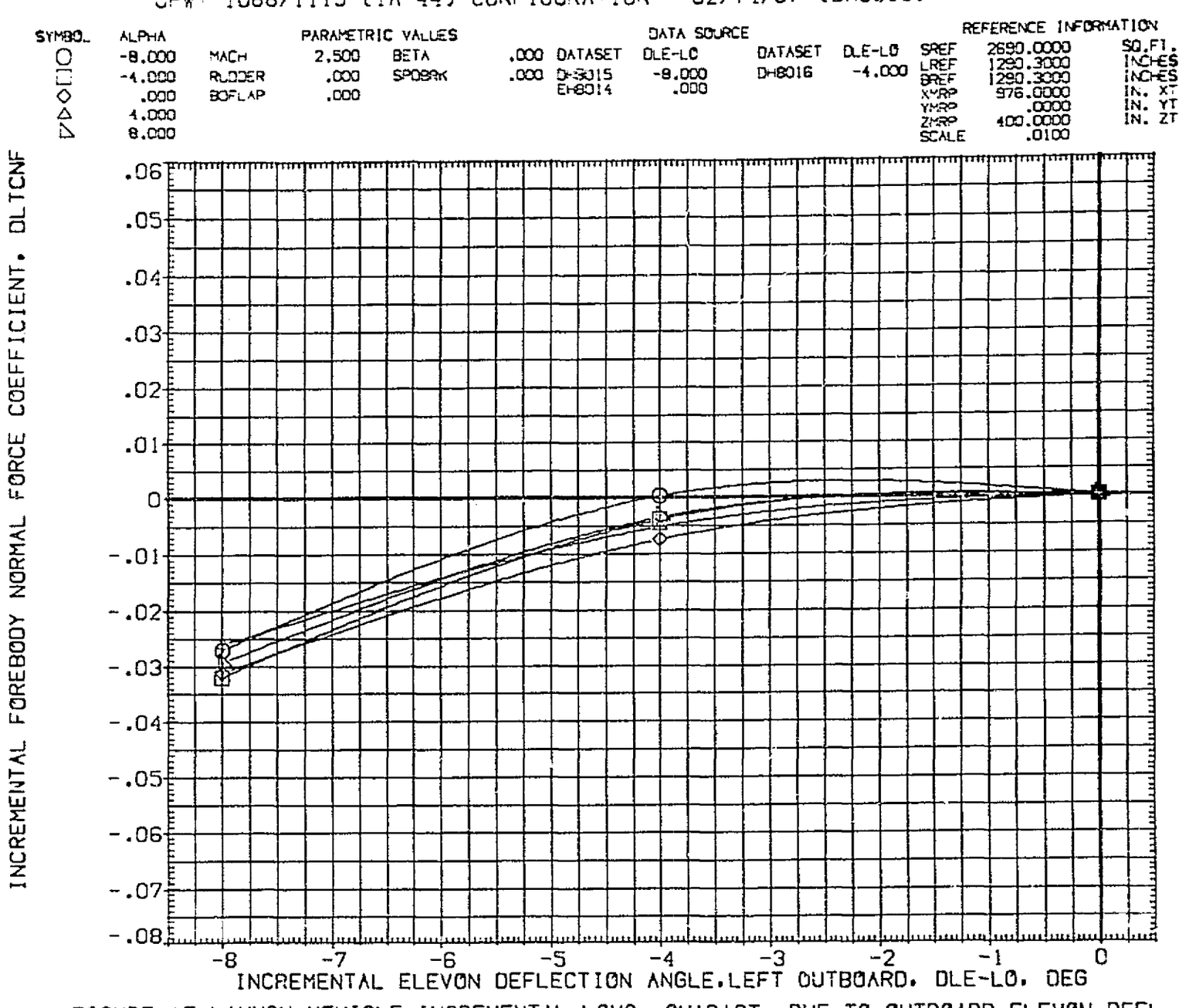


FIGURE 15 LAUNCH VEHICLE INCREMENTAL LONG. CHARACT DUE TO OUTBOARD ELEVON DEFL.

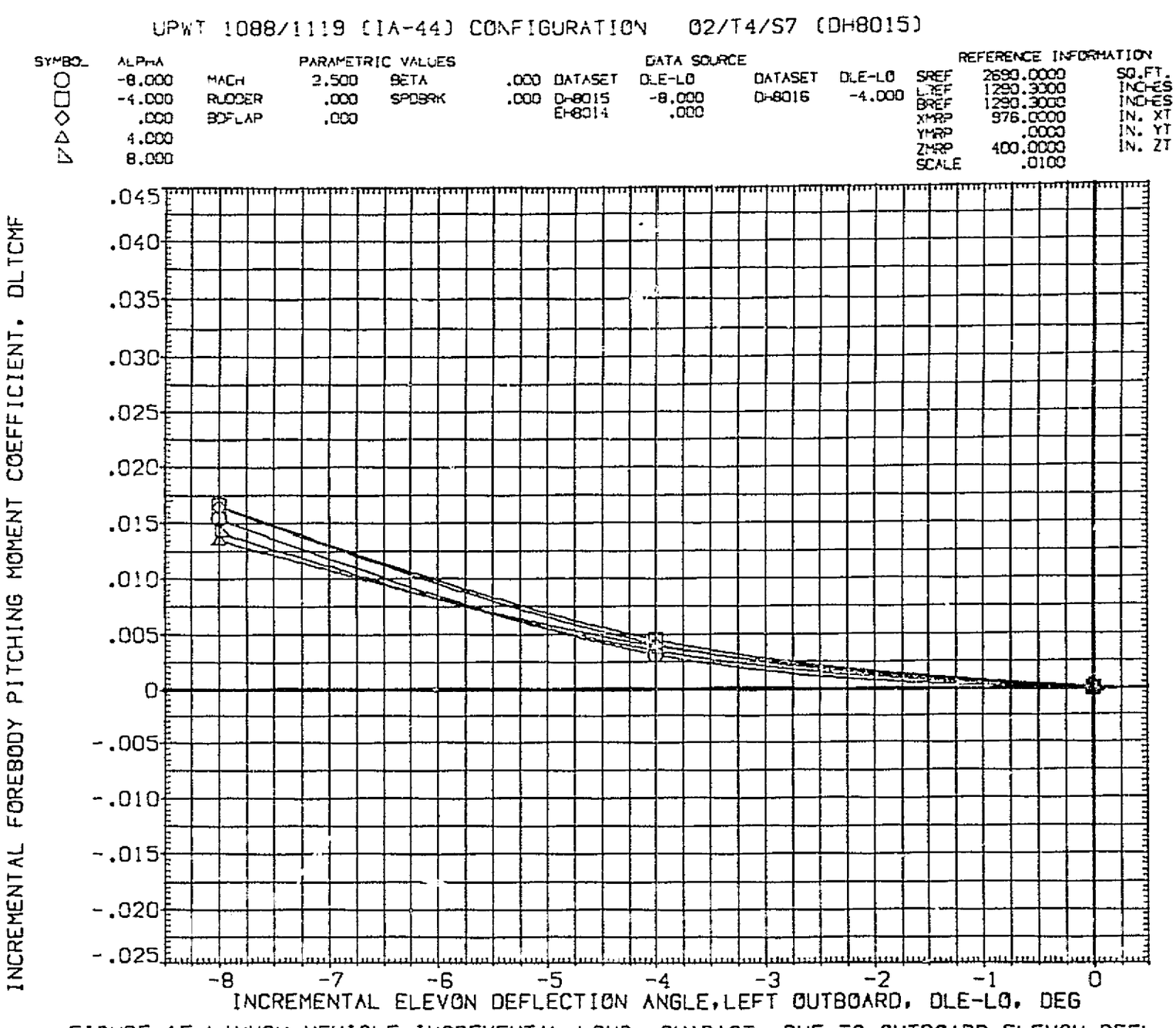


FIGURE 15 LAUNCH VEHICLE INCREMENTAL LONG. CHARACT DUE TO OUTBOARD ELEVON DEFL.

UPWT 1088/1119 (IA-44) CONFIGURATION 02/T4/S7 (DH8015)

SYMBOL	ALPHA	PARAMETRIC VALUES				DATA SOURCE				REFERENCE INFORMATION		
○	-8.000	MACH	2.500	BETA	.000	DATASET	DLE-LO	DATASET	DLE-LO	SREF	2690.0000	SQ.FT.
□	-4.000	RUDDER	.000	SPOBRK	.000	DH8015	-8.000	DH8016	-4.000	LREF	1290.3000	INCHES
◇	.000	BOFLAP	.000			EH8014	.000			BREF	1290.3000	INCHES
△	4.000									XMRP	976.0000	IN. XT
▽	8.000									YMRP	.0000	IN. YT
										ZMRP	400.0000	IN. ZT
										SCALE	.0100	

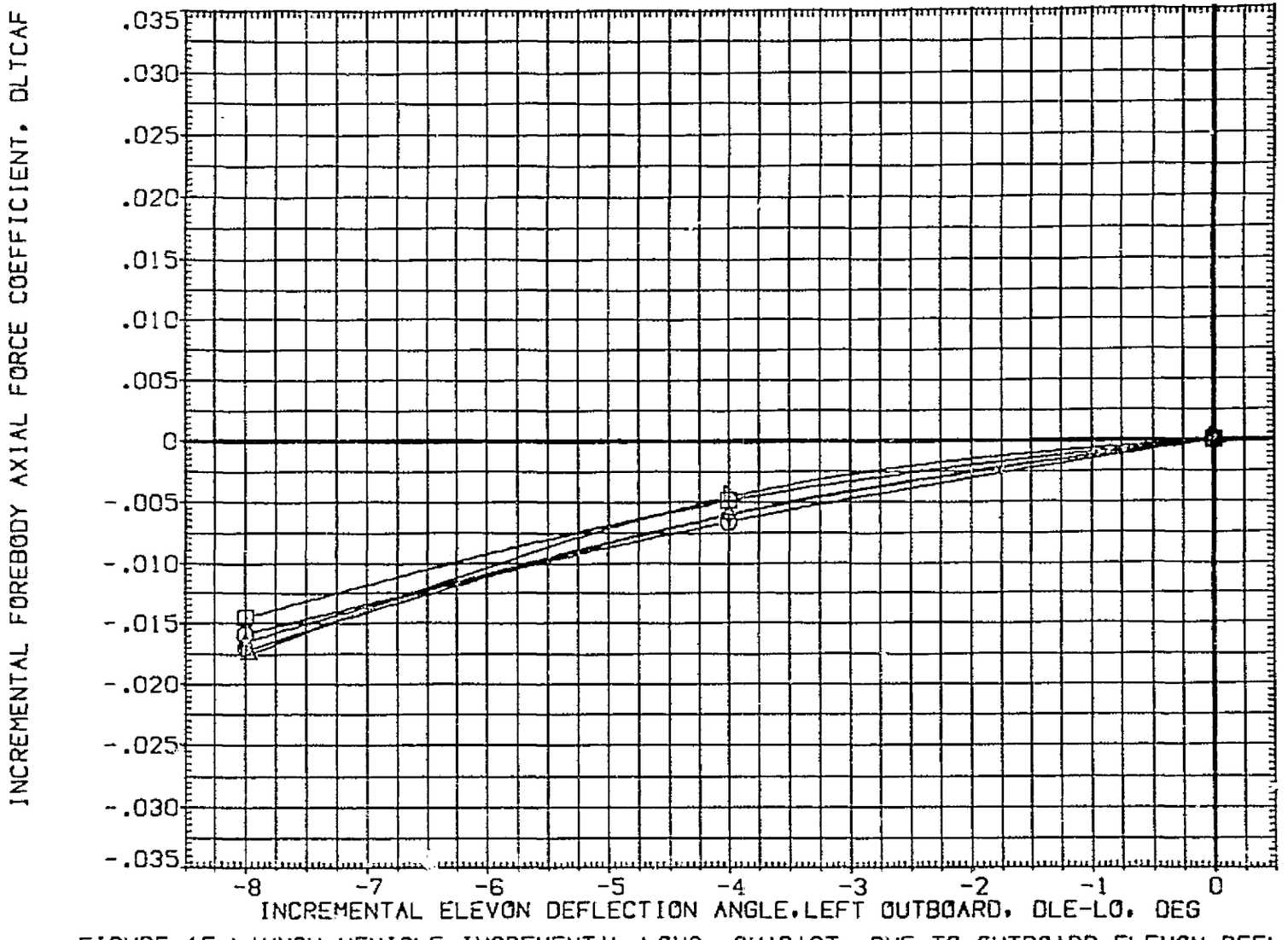


FIGURE 15 LAUNCH VEHICLE INCREMENTAL LONG. CHARACT DUE TO OUTBOARD ELEVON DEFL.

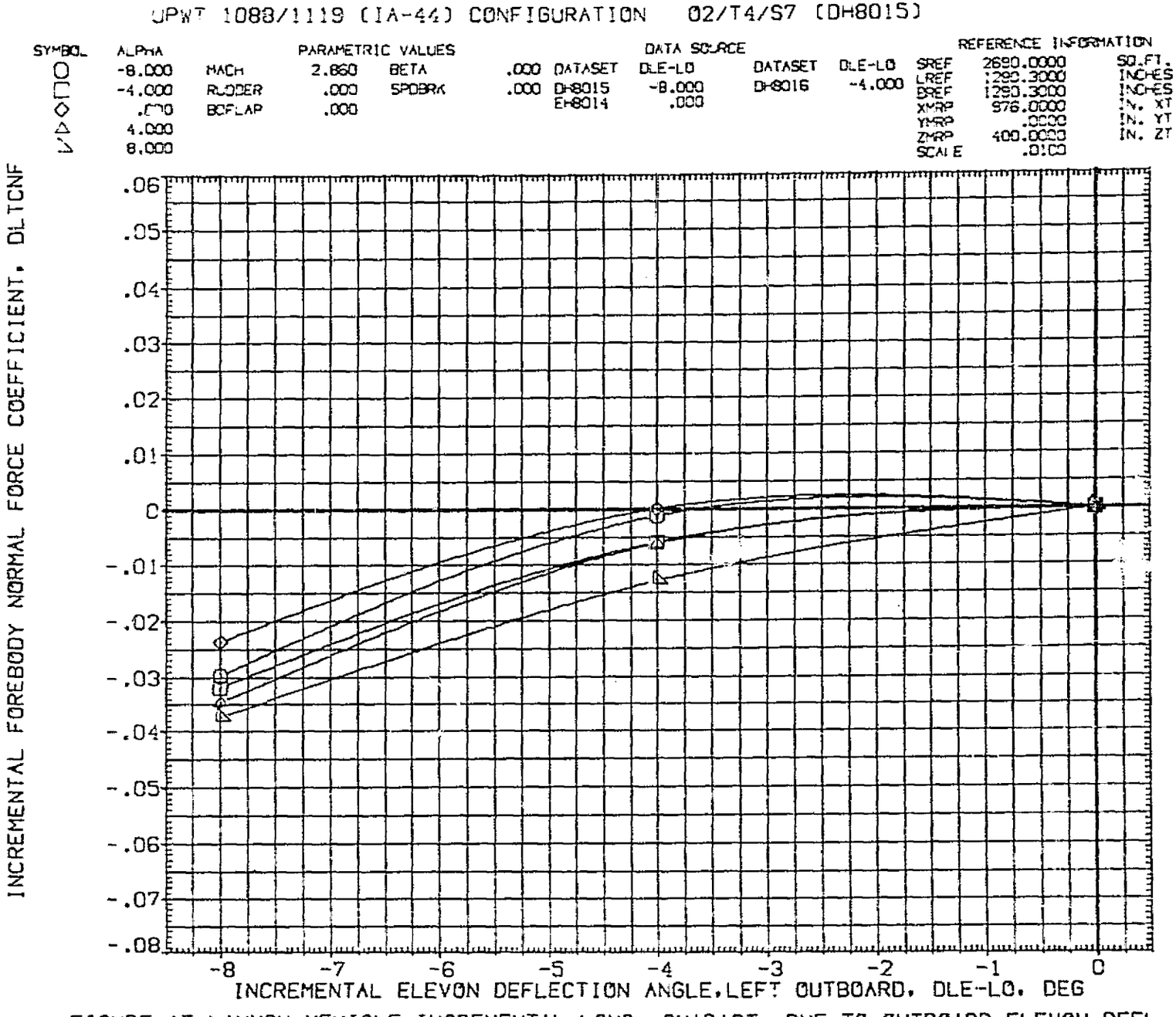


FIGURE 15 LAUNCH VEHICLE INCREMENTAL LONG. CHARACT DUE TO OUTBOARD ELEVON DEFL.

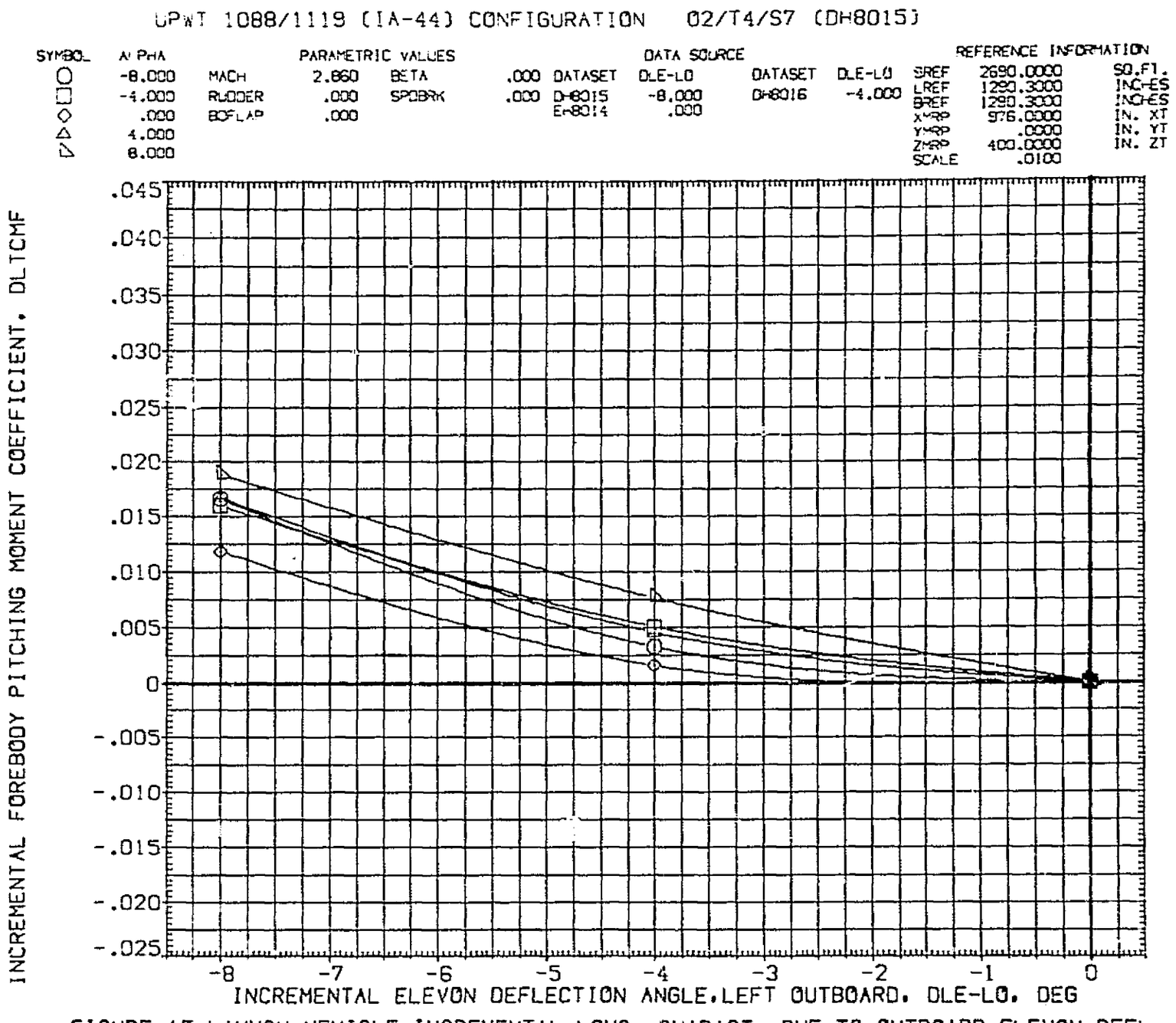


FIGURE 15 LAUNCH VEHICLE INCREMENTAL LONG. CHARACT DUE TO OUTBOARD ELEVON DEFL.

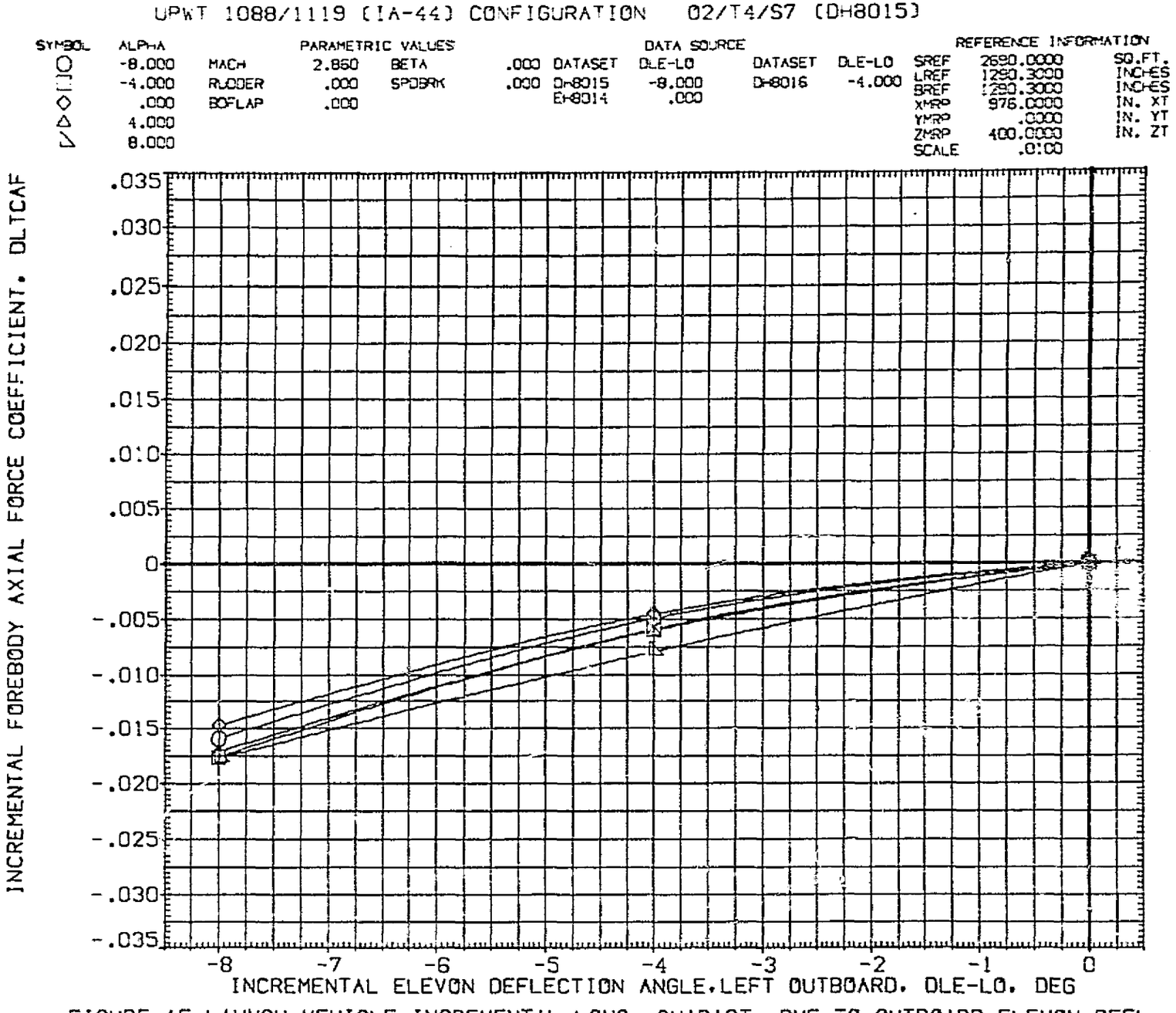


FIGURE 15 LAUNCH VEHICLE INCREMENTAL LONG. CHARACT DUE TO OUTBOARD ELEVON DEFL.

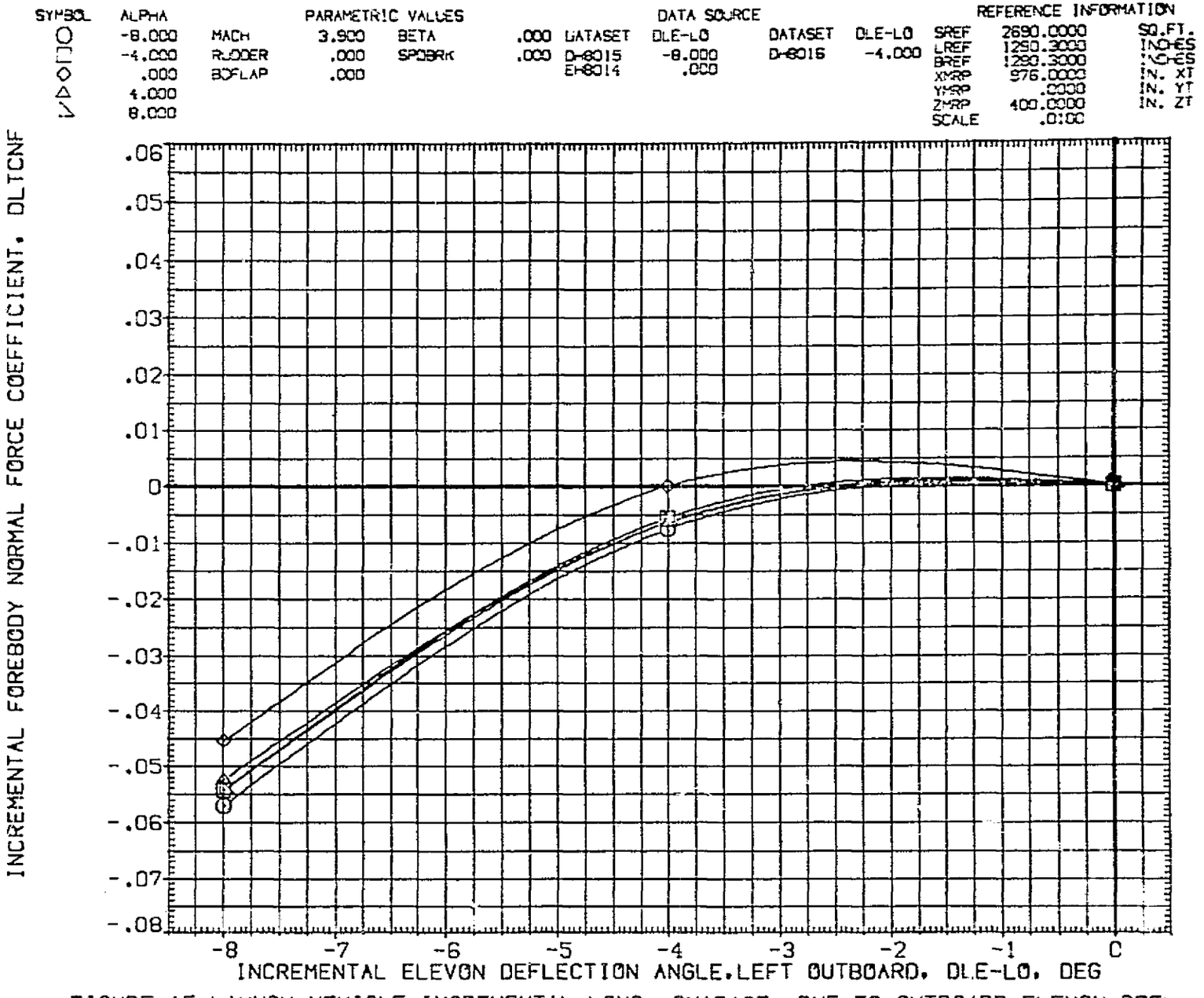


FIGURE 15 LAUNCH VEHICLE INCREMENTAL LONG. CHARACT DUE TO OUTBOARD ELEVON DEFL.

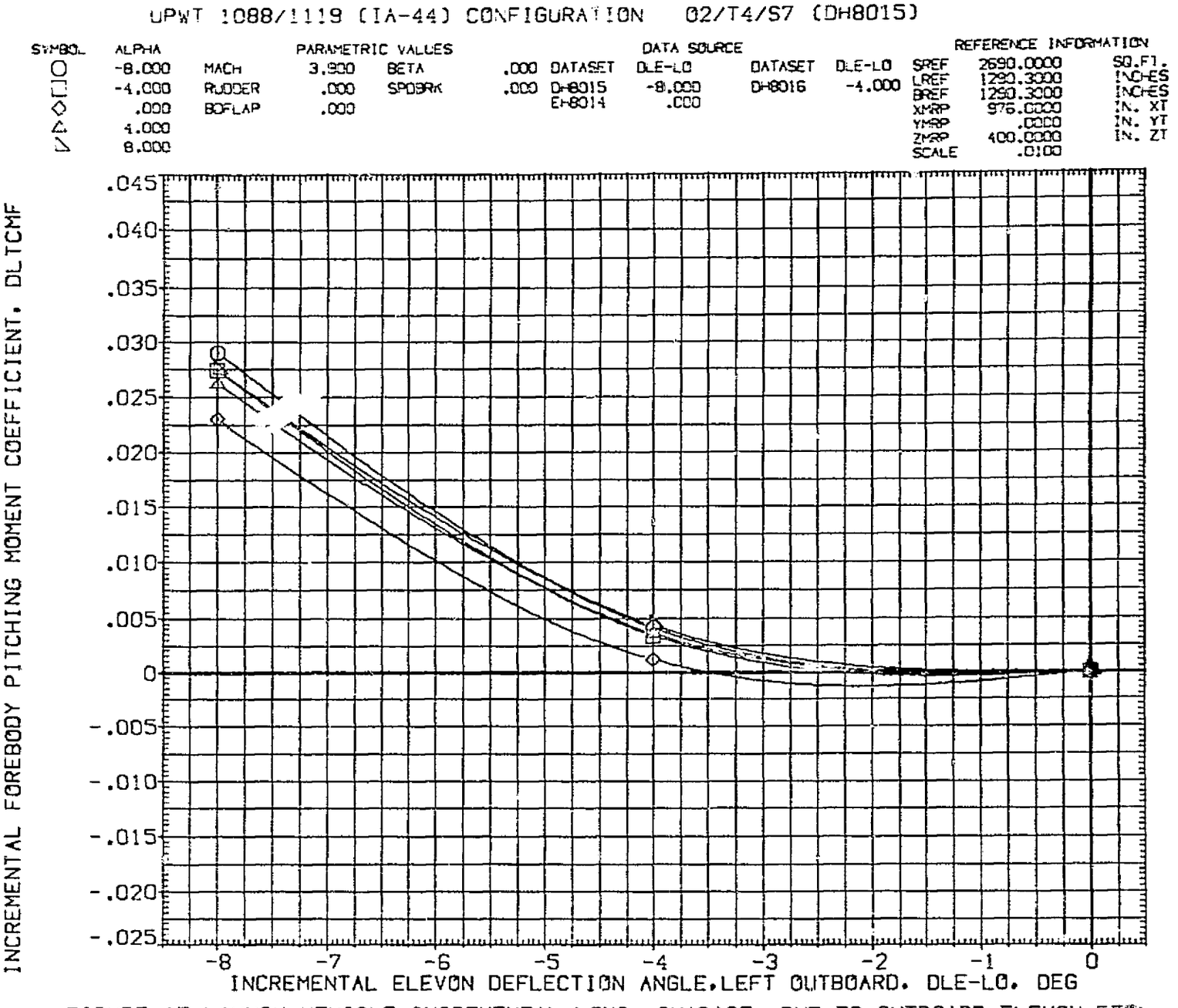


FIGURE 15 LAUNCH VEHICLE INCREMENTAL LONG. CHARACT DUE TO OUTBOARD ELEVON DEFL.

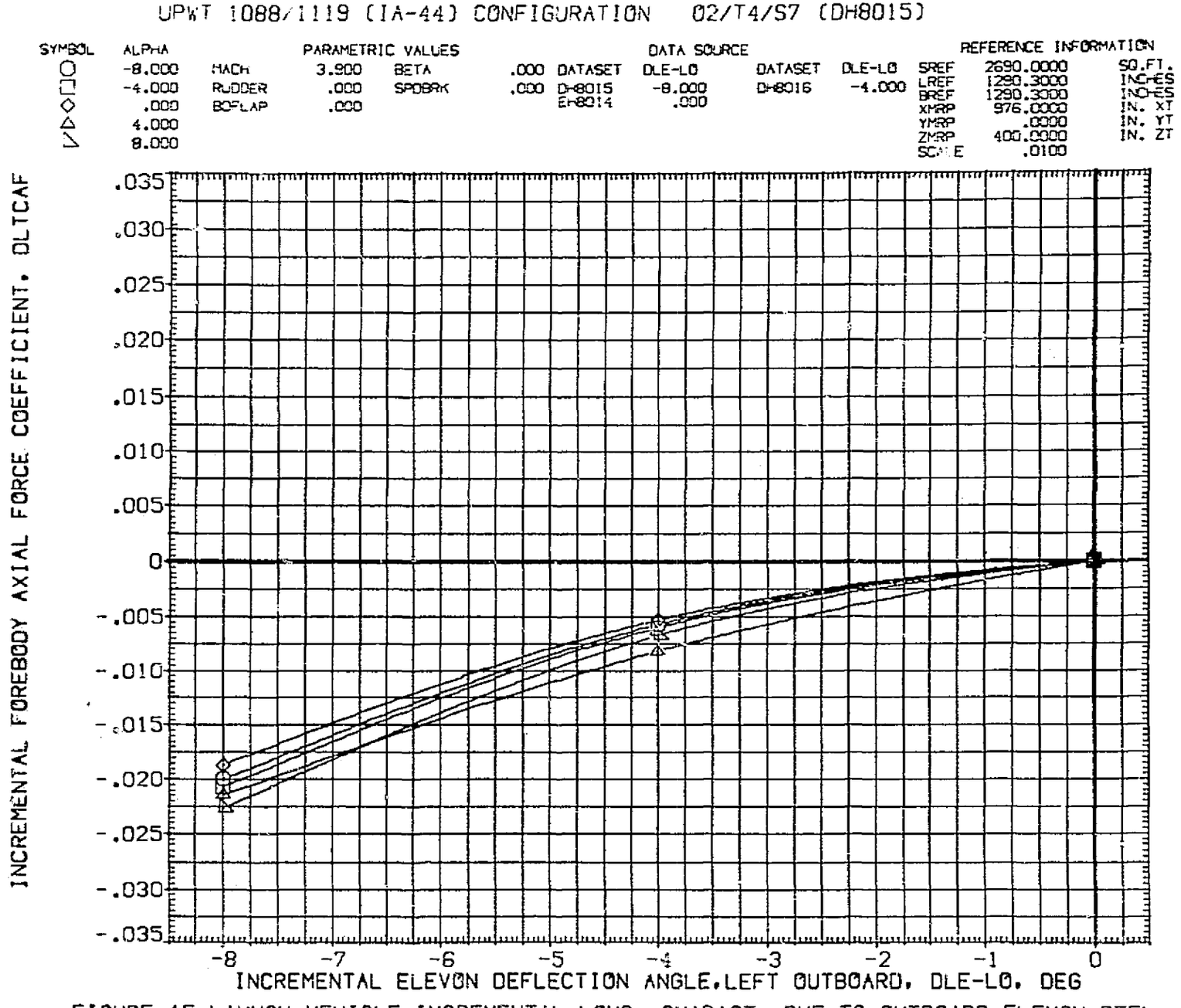


FIGURE 15 LAUNCH VEHICLE INCREMENTAL LONG. CHARACT DUE TO OUTBOARD ELEVON DEFL.

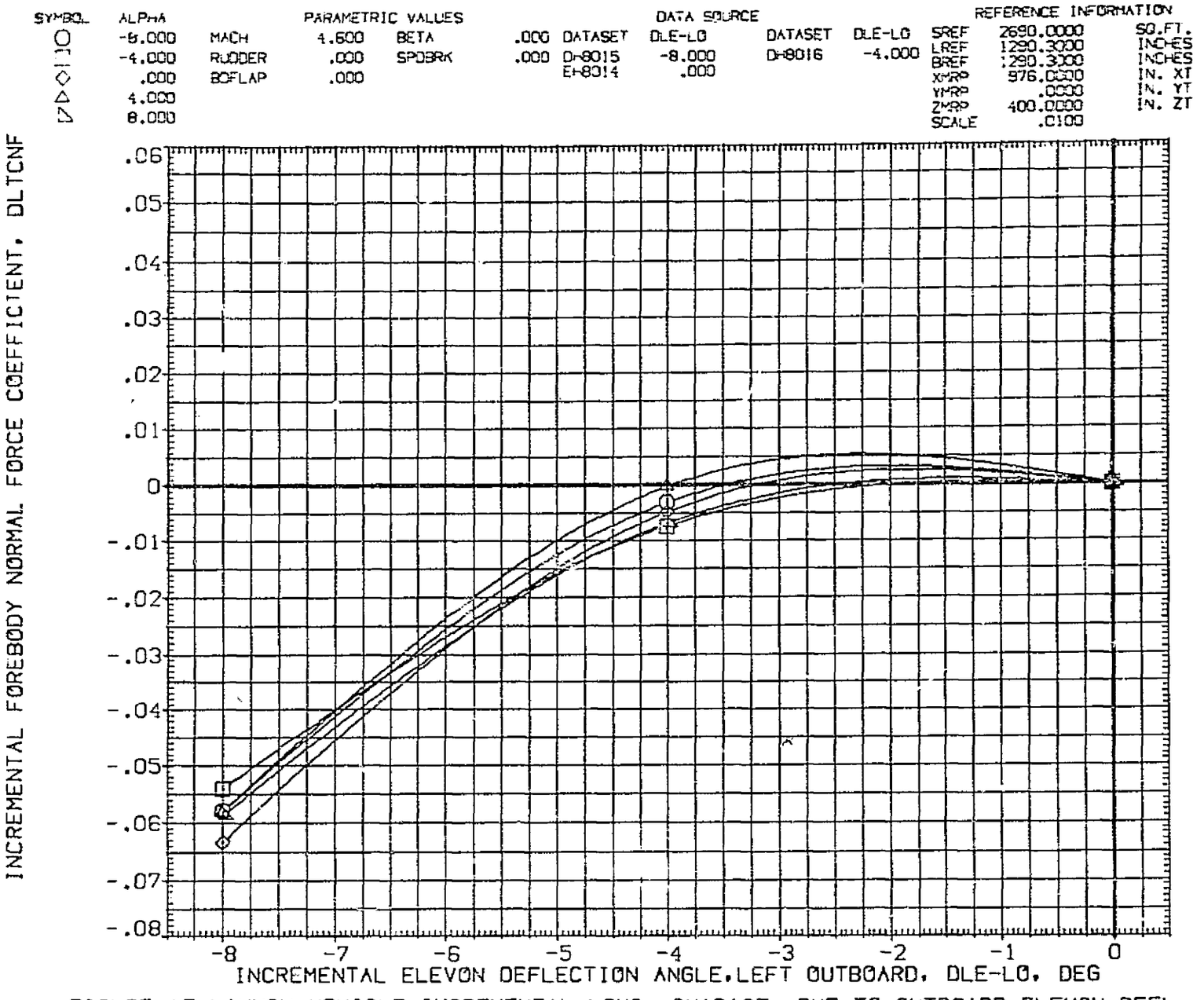


FIGURE 15 LAUNCH VEHICLE INCREMENTAL LONG. CHARACT DUE TO OUTBOARD ELEVON DEFL.

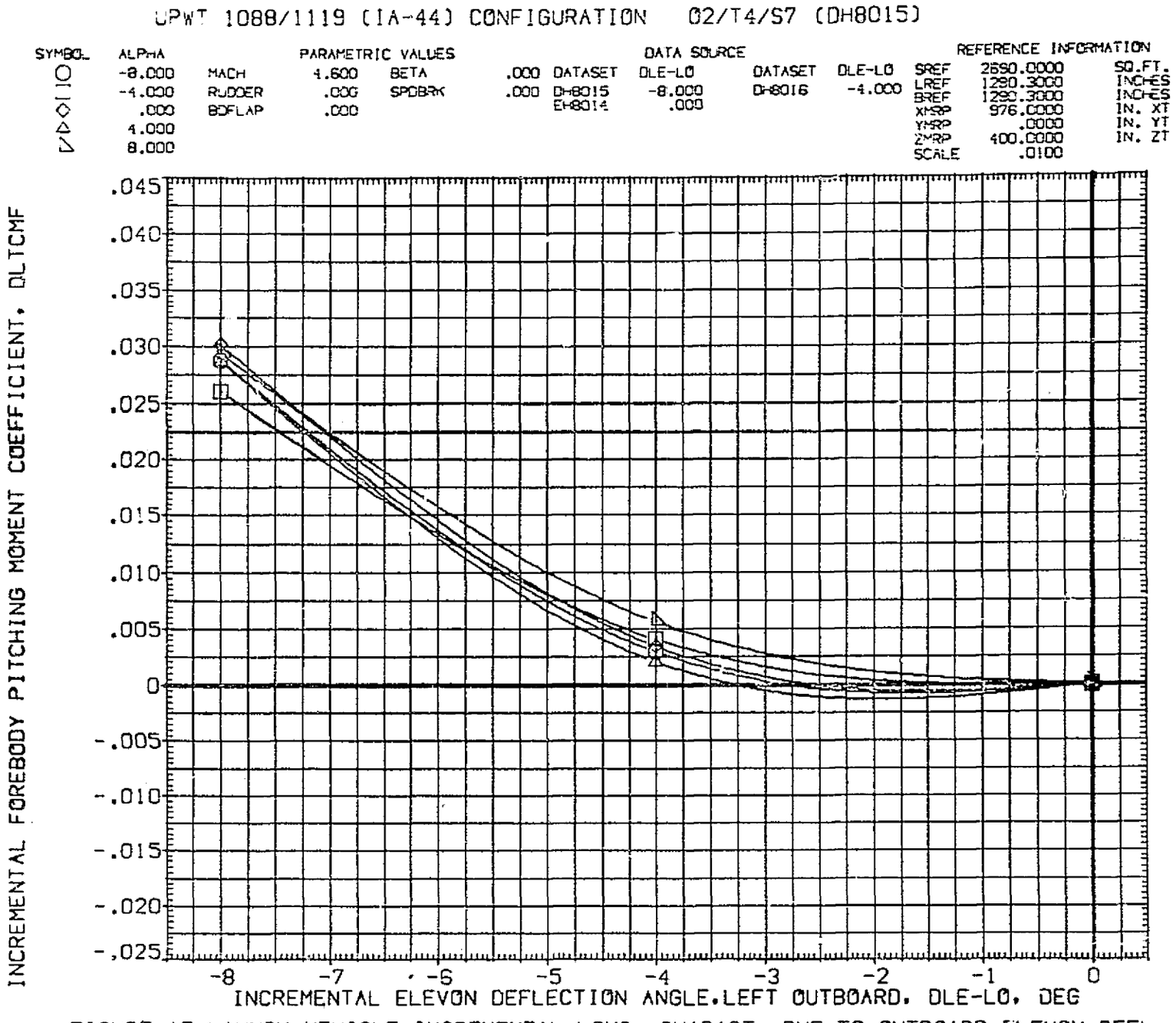


FIGURE 15 LAUNCH VEHICLE INCREMENTAL LONG. CHARACT DUE TO OUTBOARD ELEVON DEFL.

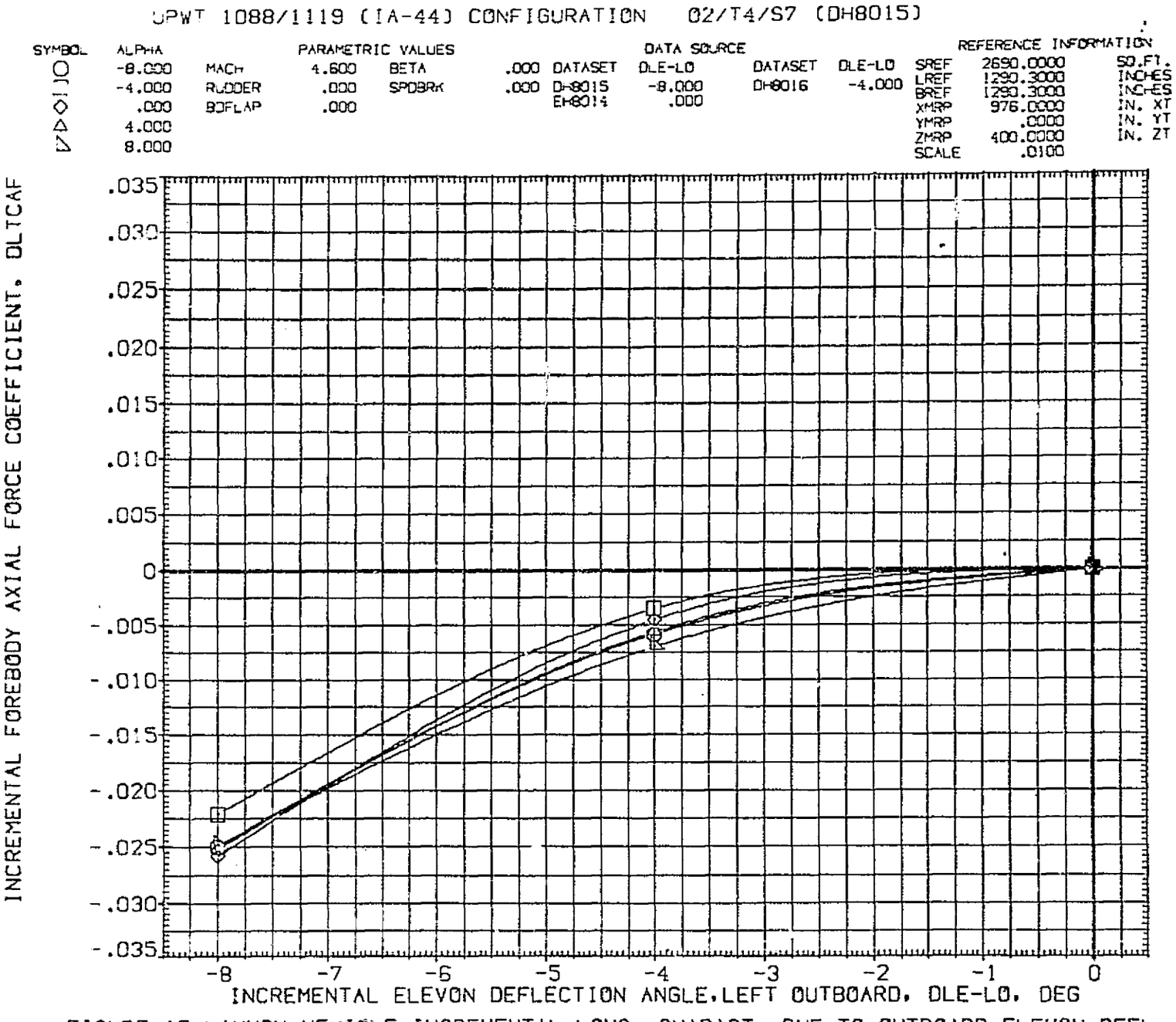


FIGURE 15 LAUNCH VEHICLE INCREMENTAL LONG. CHARACT DUE TO OUTBOARD ELEVON DEFL.

UPWT 1088/1119 (IA-44) CONFIGURATION 02/T4/S7 (DH8003)

SYMBOL	ALPHA		PARAMETRIC VALUES			DATA SOURCE				REFERENCE INFORMATION		
○	-8.000	MACH	1.600	BETA	.000	DATASET	DLE-LI	DATASET	DLE-LI	SREF	2690.0000	SQ.FT.
□	-4.000	RUDDER	.000	SPOBRK	.000	DH8003	.000	DH8017	4.000	LREF	1290.3000	INCHES
◇	.000	BOFLAP	.000			DH8014	8.000			BREF	1290.3000	INCHES
△	4.000									XMRP	976.0000	IN. XT
▽	8.000									YMRP	.0000	IN. YT
										ZMRP	400.0000	IN. ZT
										SCALE	.0100	

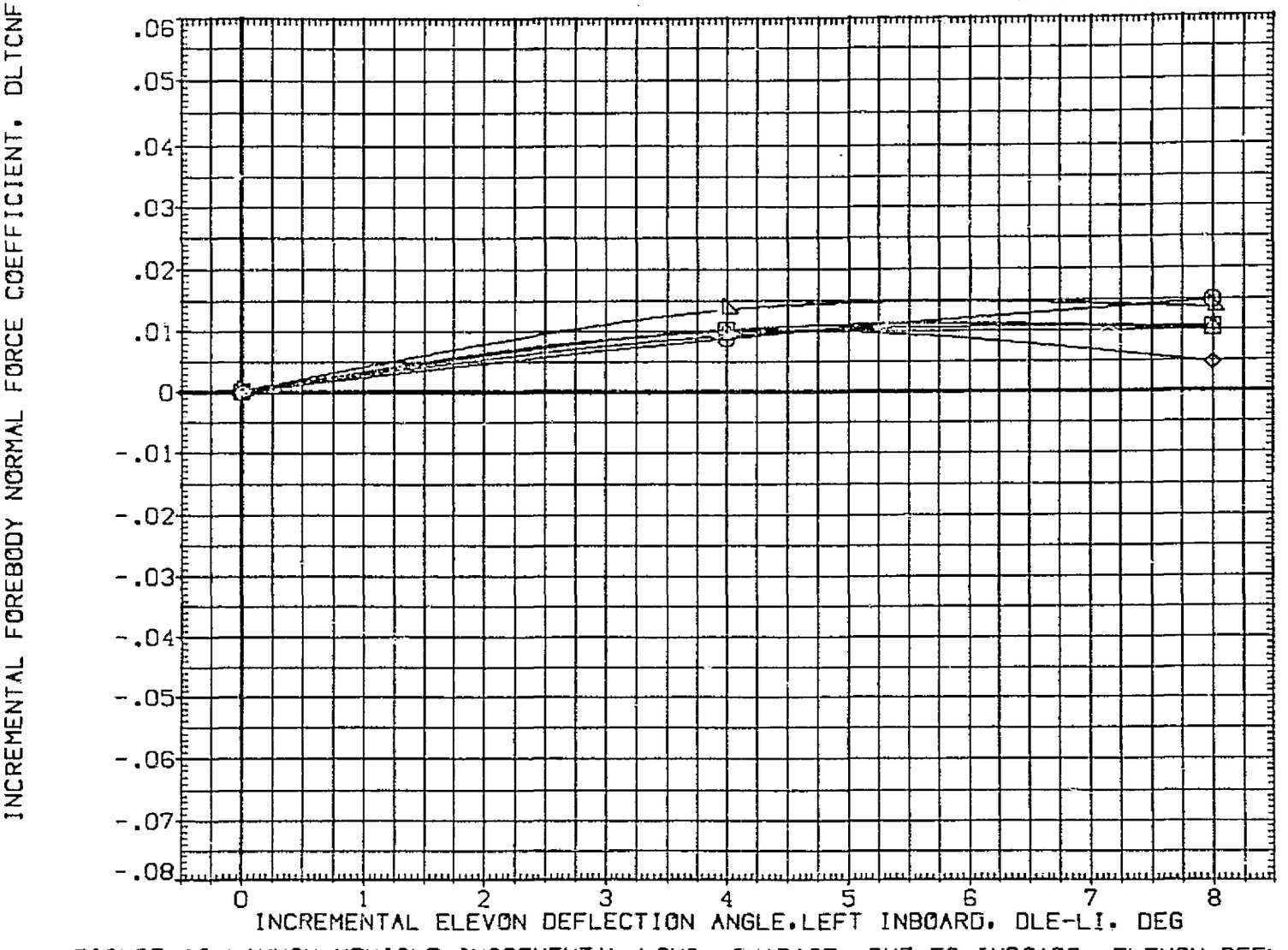


FIGURE 16 LAUNCH VEHICLE INCREMENTAL LONG. CHARACT DUE TO INBOARD ELEVON DEFL.

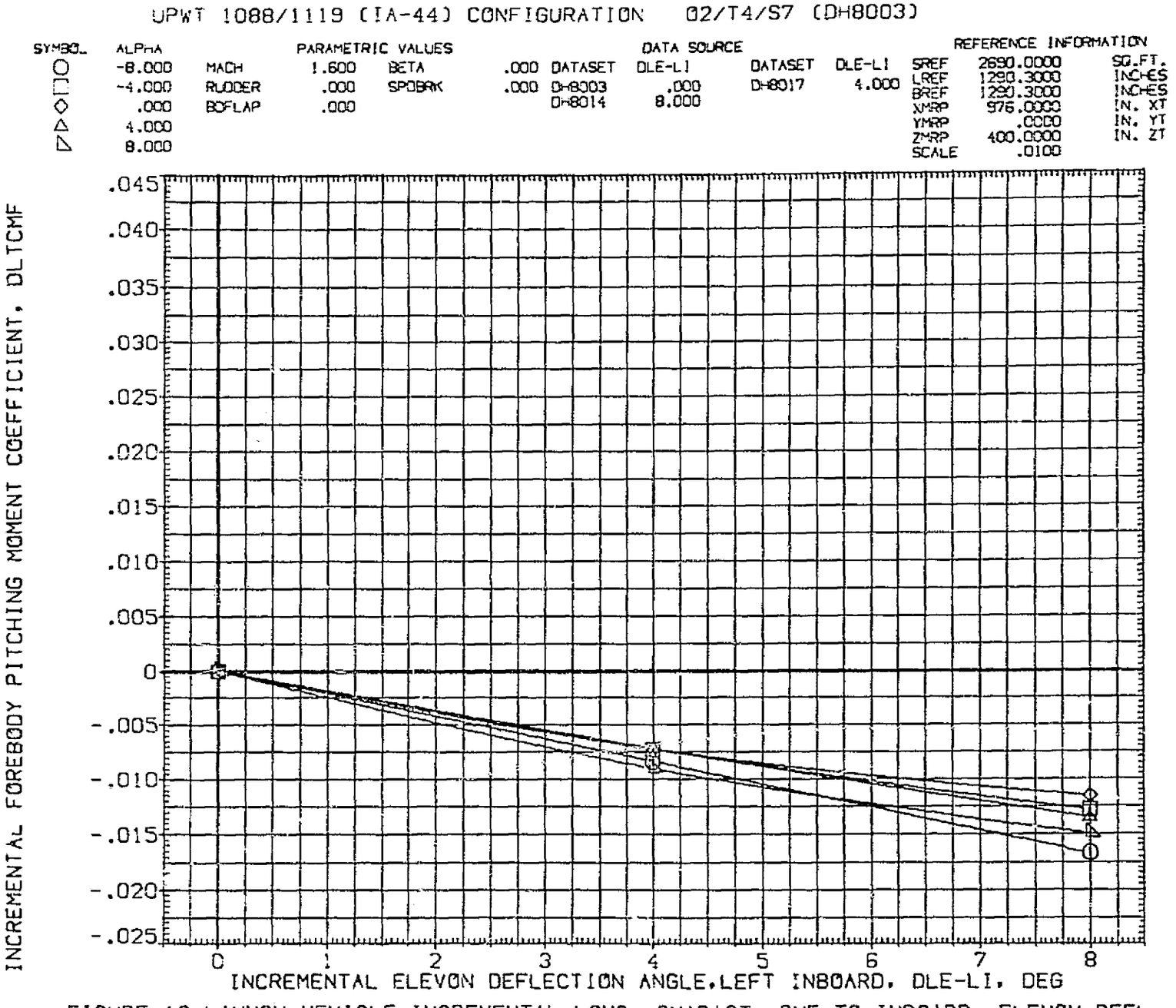


FIGURE 16 LAUNCH VEHICLE INCREMENTAL LONG. CHARACT DUE TO INBOARD ELEVON DEFL.

UPWT 1088/1119 (IA-44) CONFIGURATION 02/T4/S7 (DH8003)

SYMBOL	ALPHA	PARAMETRIC VALUES				DATA SOURCE				REFERENCE INFORMATION		
○	-8.000	MACH	1.600	BETA	.000	DATASET	DLE-LI	DATASET	DLE-LI	SREF	2690.0000	SQ.FT.
□	-4.000	RUDDER	.000	SPDBRK	.000	DH8003	.000	DH8017	4.000	LREF	1290.3000	INCHES
◇	.000	BOFLAP	.000			DH8014	8.000			BREF	1290.3000	INCHES
▷	4.000									XMRP	976.0000	IN. XT
△	8.000									YMRP	.0000	IN. YT
										ZMRP	400.0000	IN. ZT
										SCALE	.0100	

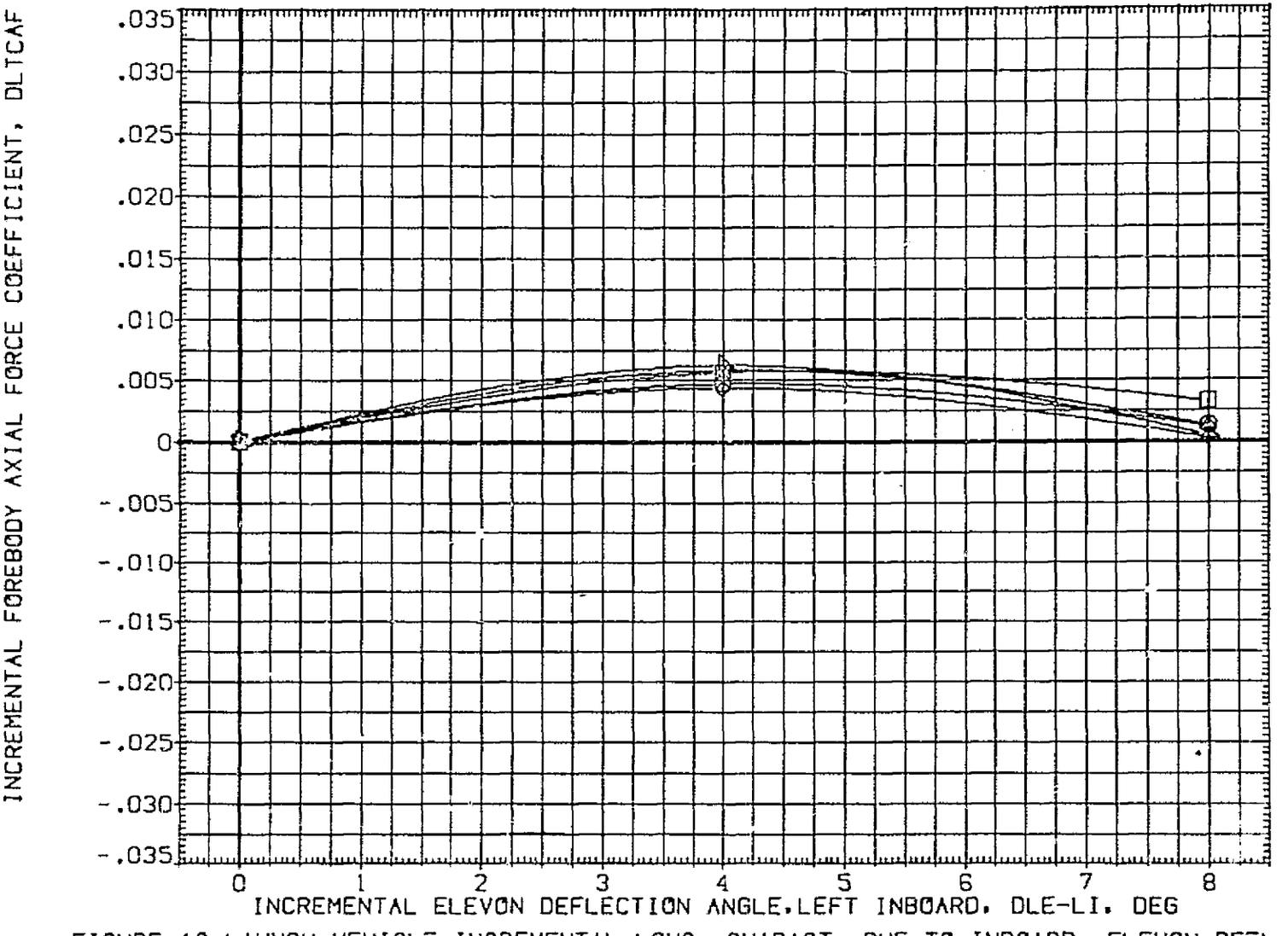


FIGURE 16 LAUNCH VEHICLE INCREMENTAL LONG. CHARACT DUE TO INBOARD ELEVON DEFL.

UPWT 1088/1119 (IA-44) CONFIGURATION 02/T4/S7 (DH8003)

SYMBOL	ALPHA	PARAMETRIC VALUES			DATA SOURCE				REFERENCE INFORMATION			
○	-8.000	MACH	2.000	BETA	.000	DATASET	DLE-LI	DATASET	DLE-LI	SREF	2690.0000	SQ.FT.
□	-4.000	RUDDER	.000	SPOIRK	.000	DH8003	.000	DH8017	4.000	LREF	1290.3000	INCHES
◇	.000	BOFLAP	.000			DH8014	8.000			BREF	1290.3000	INCHES
△	4.000									XMRP	976.0000	IN. XT
▽	8.000									YMRP	.0000	IN. YT
										ZMRP	400.0000	IN. ZT
										SCALE	.0100	

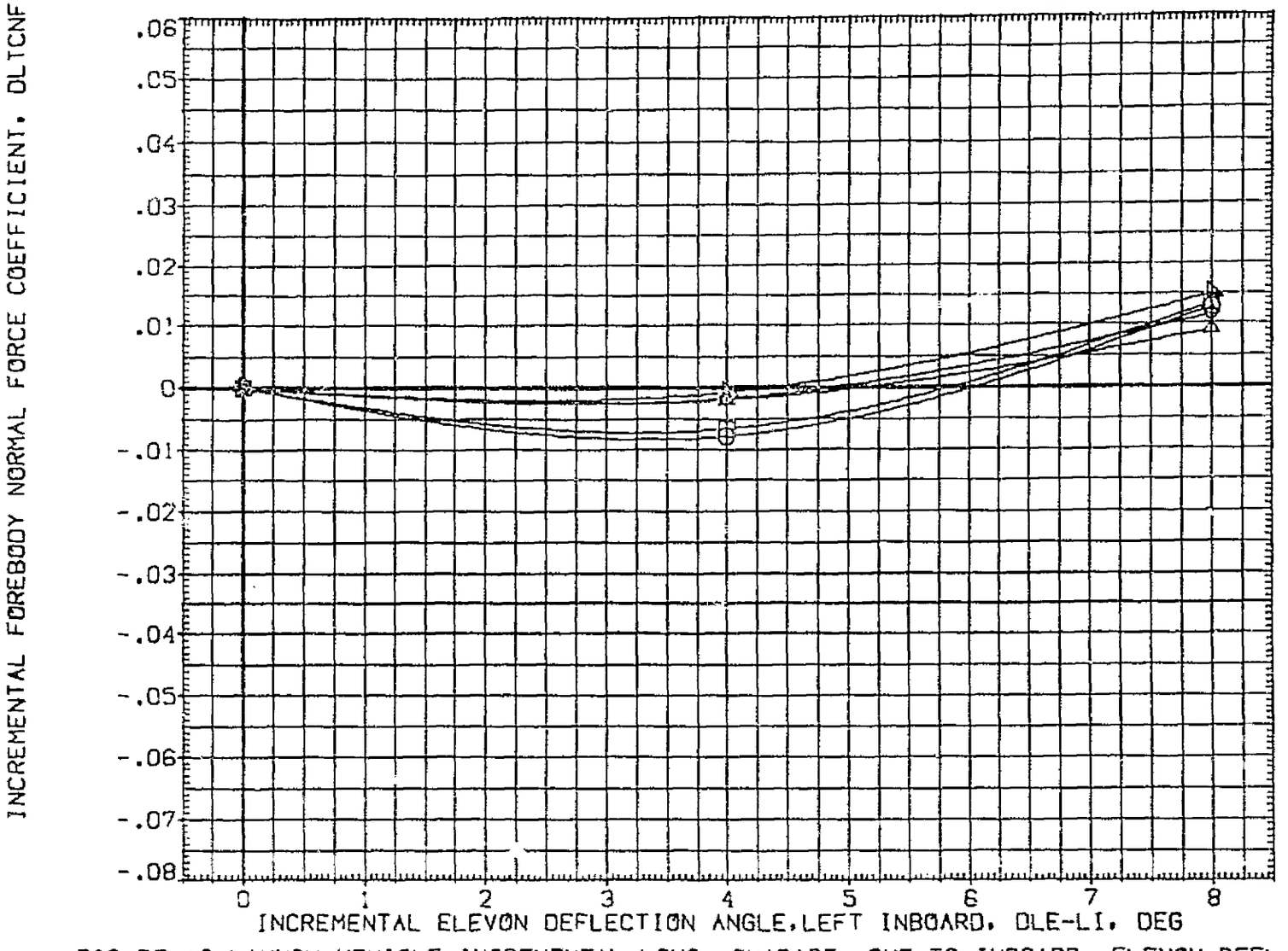


FIGURE 16 LAUNCH VEHICLE INCREMENTAL LONG. CHARACT DUE TO INBOARD ELEVON DEFL.

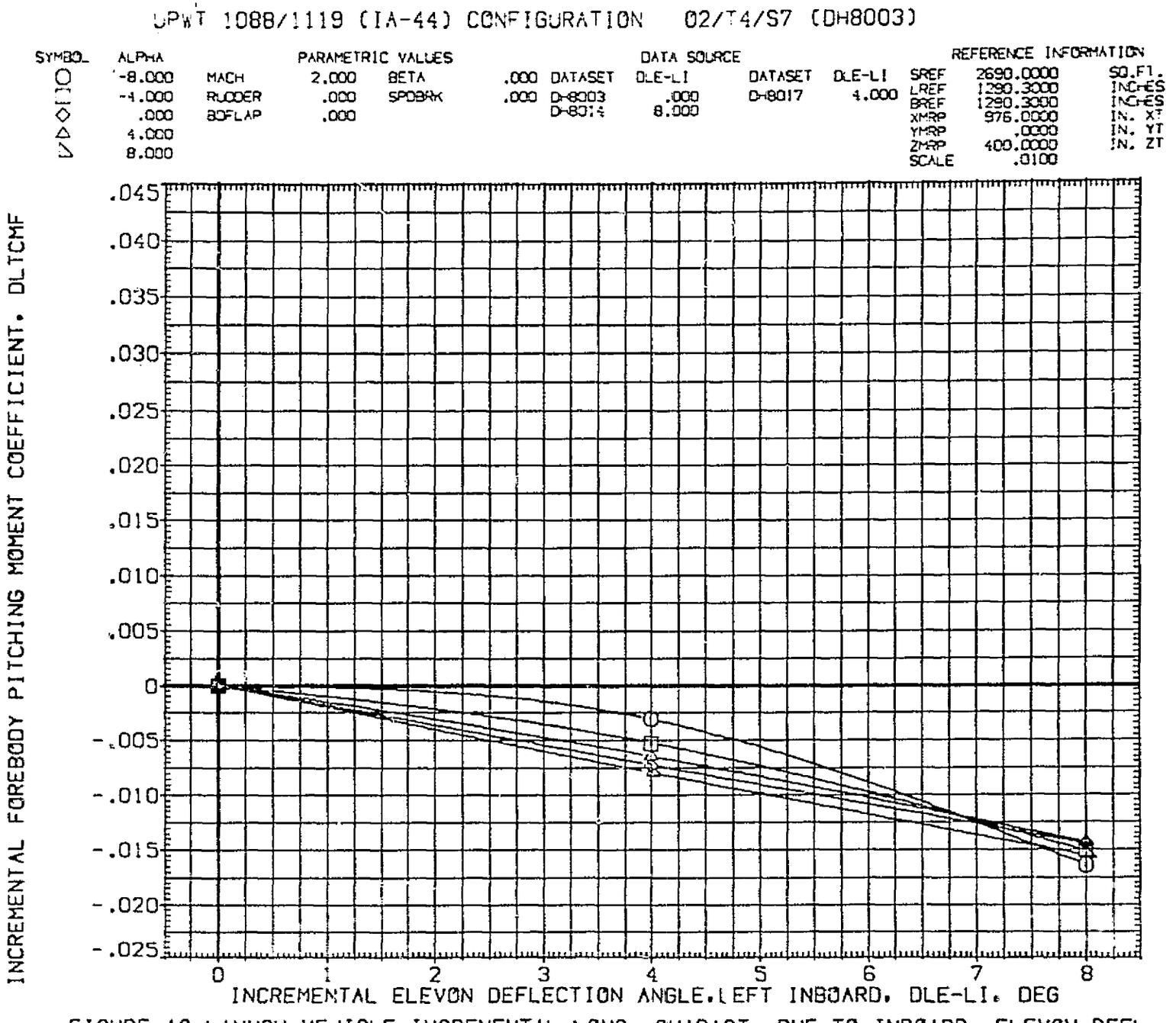


FIGURE 16 LAUNCH VEHICLE INCREMENTAL LONG. CHARACT DUE TO INBOARD ELEVON DEFL.

UPWT 1088/1119 (IA-44) CONFIGURATION 02/T4/S7 (DH8003)

SYMBOL	ALPHA		PARAMETRIC VALUES			DATA SOURCE				REFERENCE INFORMATION		
○	-8.000	MACH	2.000	BETA	.000	DATASET	DLE-LI	DATASET	DLE-LI	SREF	2690.0000	SQ.FT.
□	-4.000	RUDDER	.000	SPOBRK	.000	DH8003	.000	DH8017	4.000	LREF	1290.3000	INCHES
◇	.000	BOFLAP	.000			DH8014	8.000			BREF	1290.3000	INCHES
△	4.000									XMRP	976.0000	IN. XT
▽	8.000									YMRP	.0000	IN. YT
										ZMRP	400.0000	IN. ZT
										SCALE	.0100	

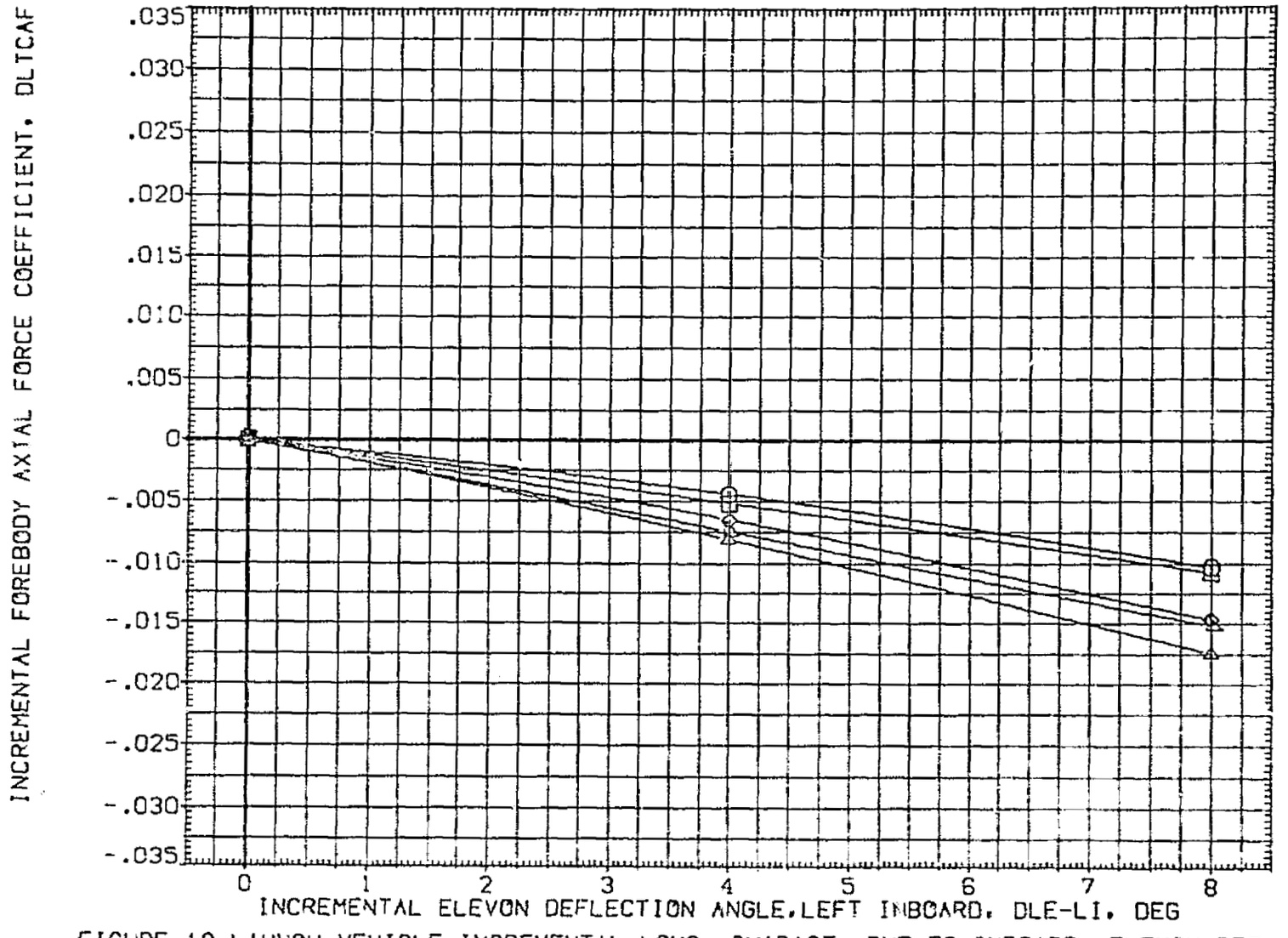


FIGURE 16 LAUNCH VEHICLE INCREMENTAL LONG. CHARACT DUE TO INBOARD ELEVON DEFL.

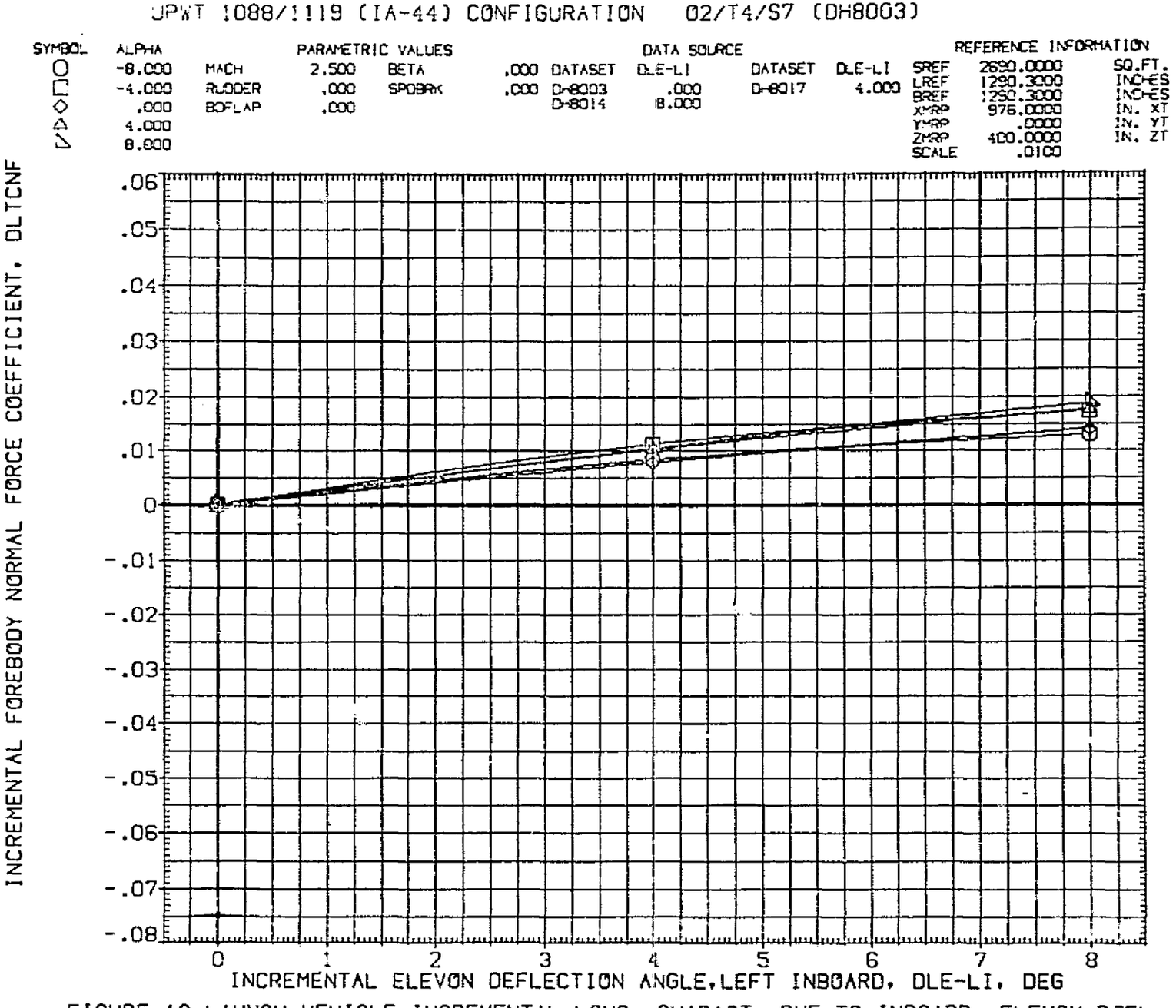


FIGURE 16 LAUNCH VEHICLE INCREMENTAL LONG. CHARACT DUE TO INBOARD ELEVON DEFL.

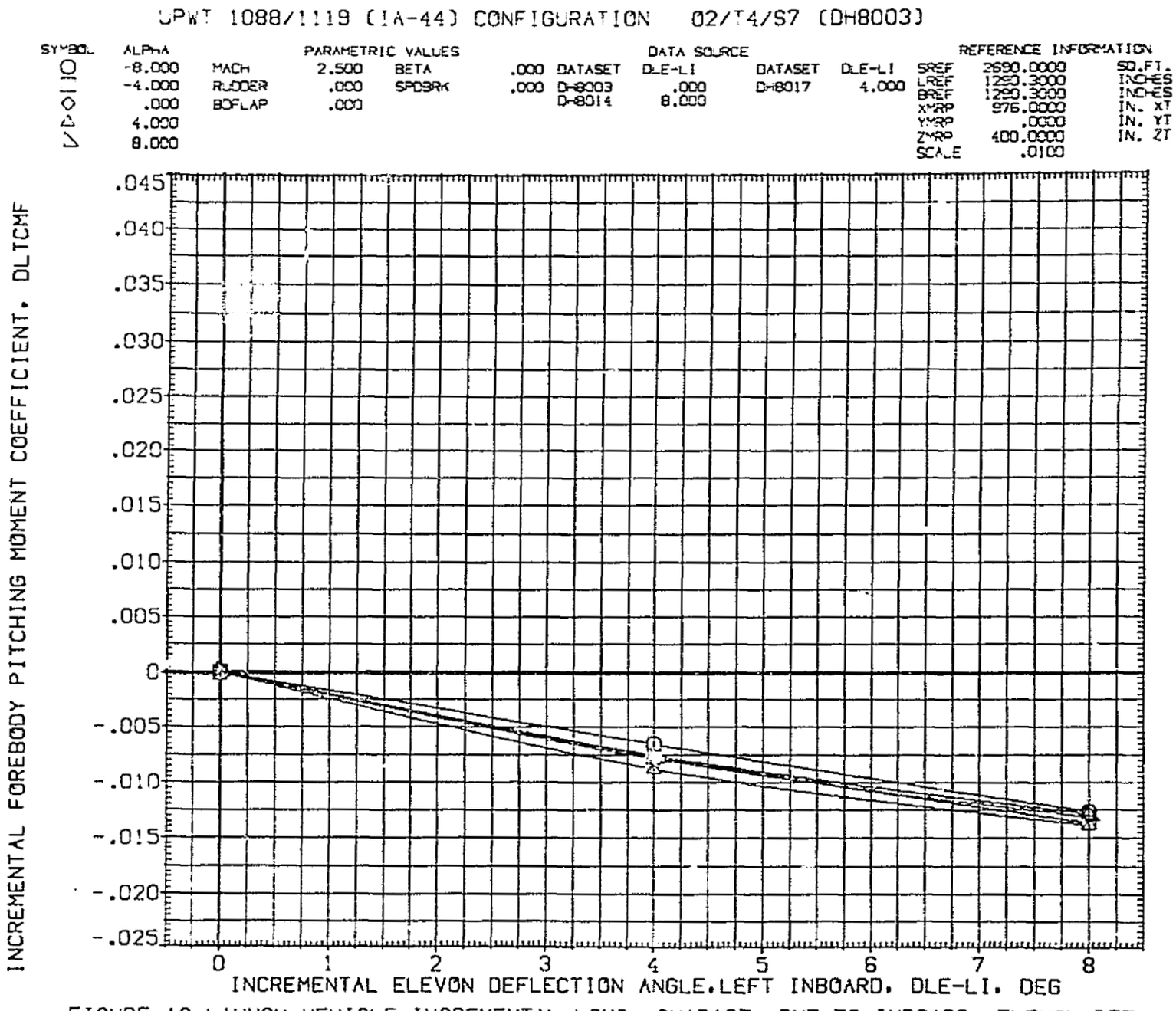


FIGURE 16 LAUNCH VEHICLE INCREMENTAL LONG. CHARACT DUE TO INBOARD ELEVON DEFL.

UPWT 1088/1119 (IA-44) CONFIGURATION 02/T4/S7 (OH8003)

SYMBOL	ALPHA	PARAMETRIC VALUES				DATA SOURCE				REFERENCE INFORMATION		
○	-8.000	MACH	2.500	BETA	.000	DATASET	DLE-LI	DATASET	DLE-LI	SREF	2690.0300	SQ.FT.
△	-4.000	RUDDER	.000	SPDBRK	.000	OH8003	.000	OH8017	4.000	LREF	1290.3000	INCHES
◇	.000	BOFLAP	.000			OH8014	8.000			BREF	1290.3000	INCHES
□	4.000									XMRP	976.0000	IN. XT
▽	8.000									YMRP	.0000	IN. YT
										ZMRP	400.0000	IN. ZT
										SCALE	.0100	

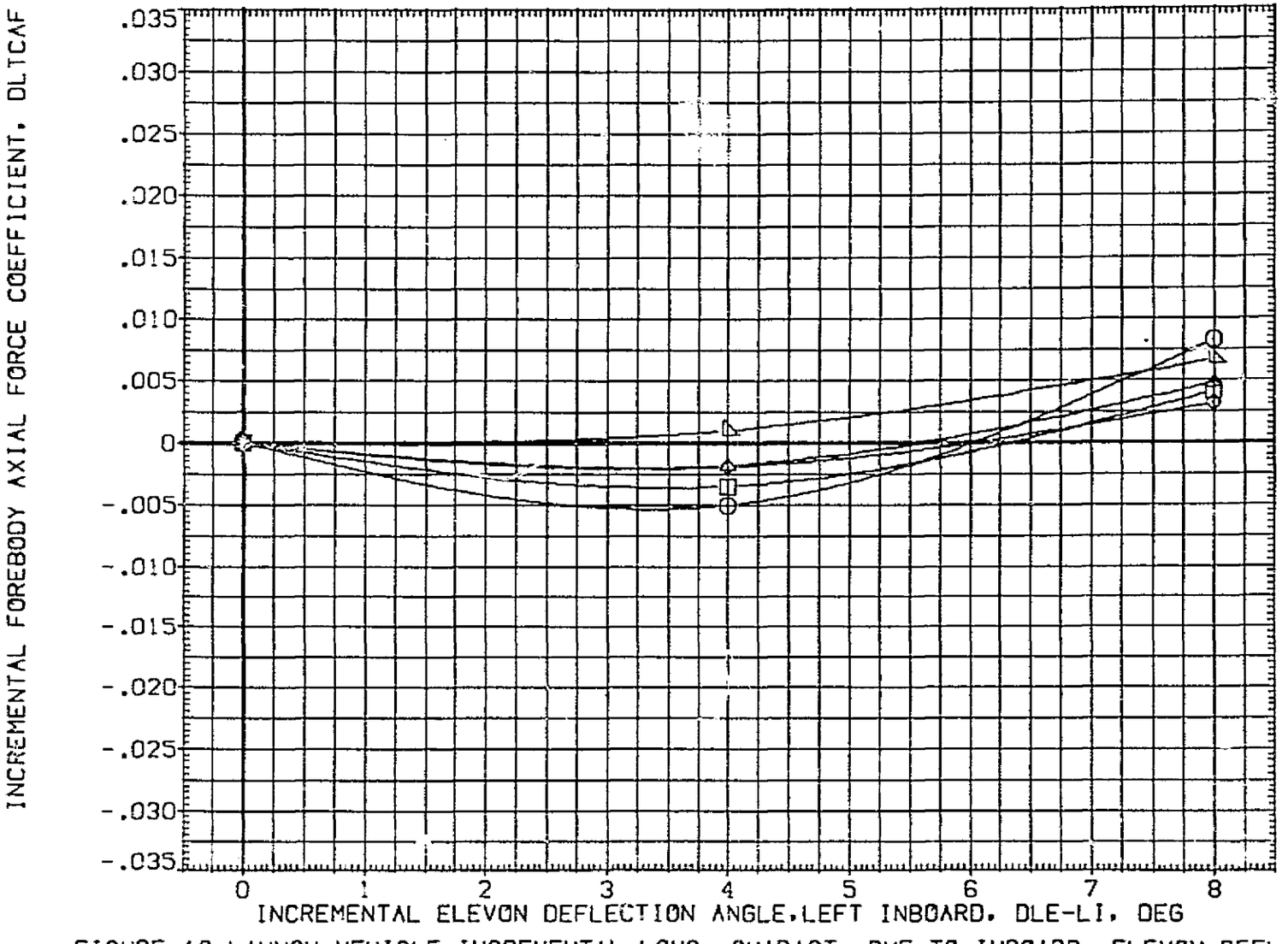


FIGURE 16 LAUNCH VEHICLE INCREMENTAL LONG. CHARACT DUE TO INBOARD ELEVON DEFL.

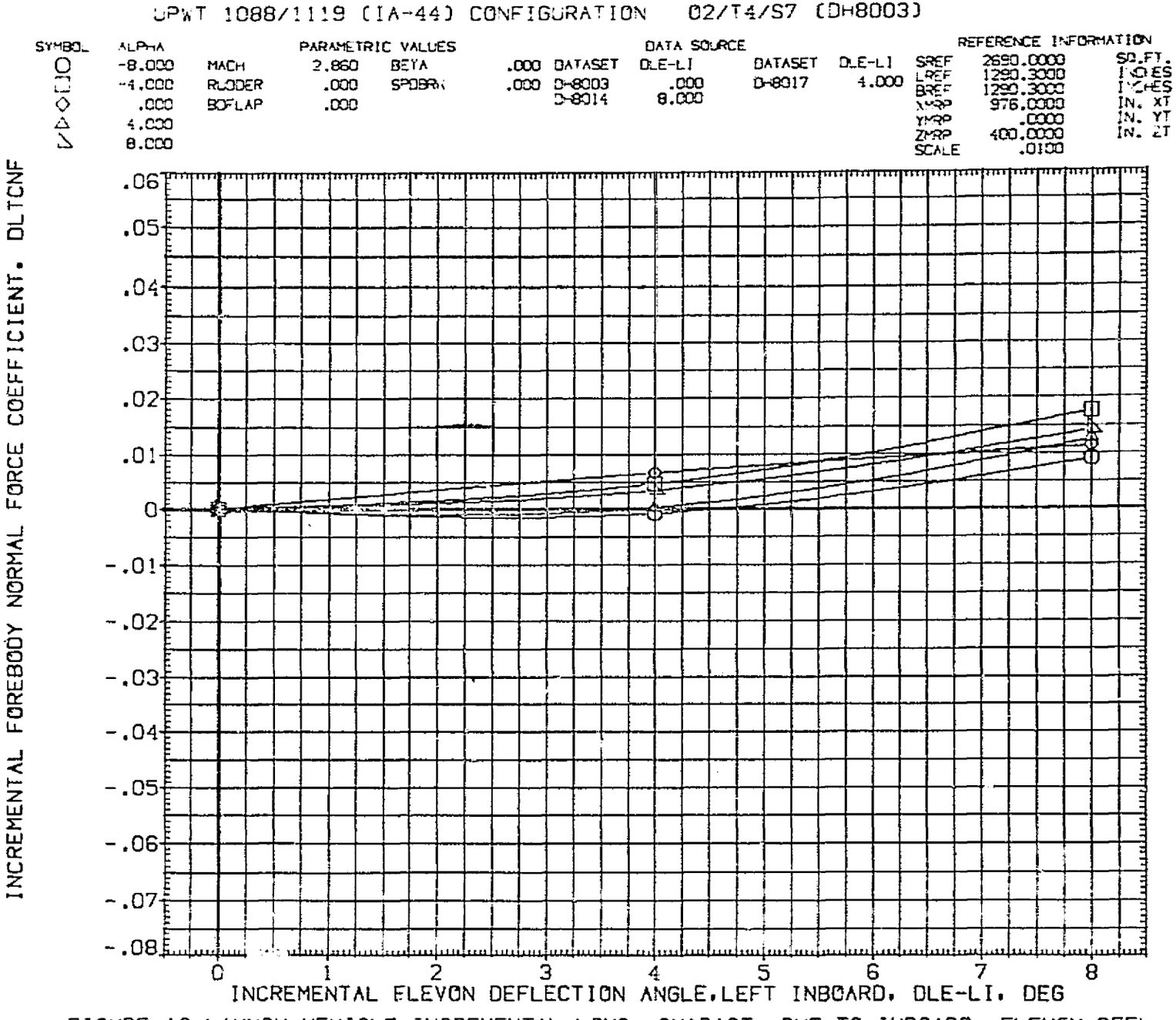


FIGURE 16 LAUNCH VEHICLE INCREMENTAL LONG. CHARACT DUE TO INBOARD ELEVON DEFL.

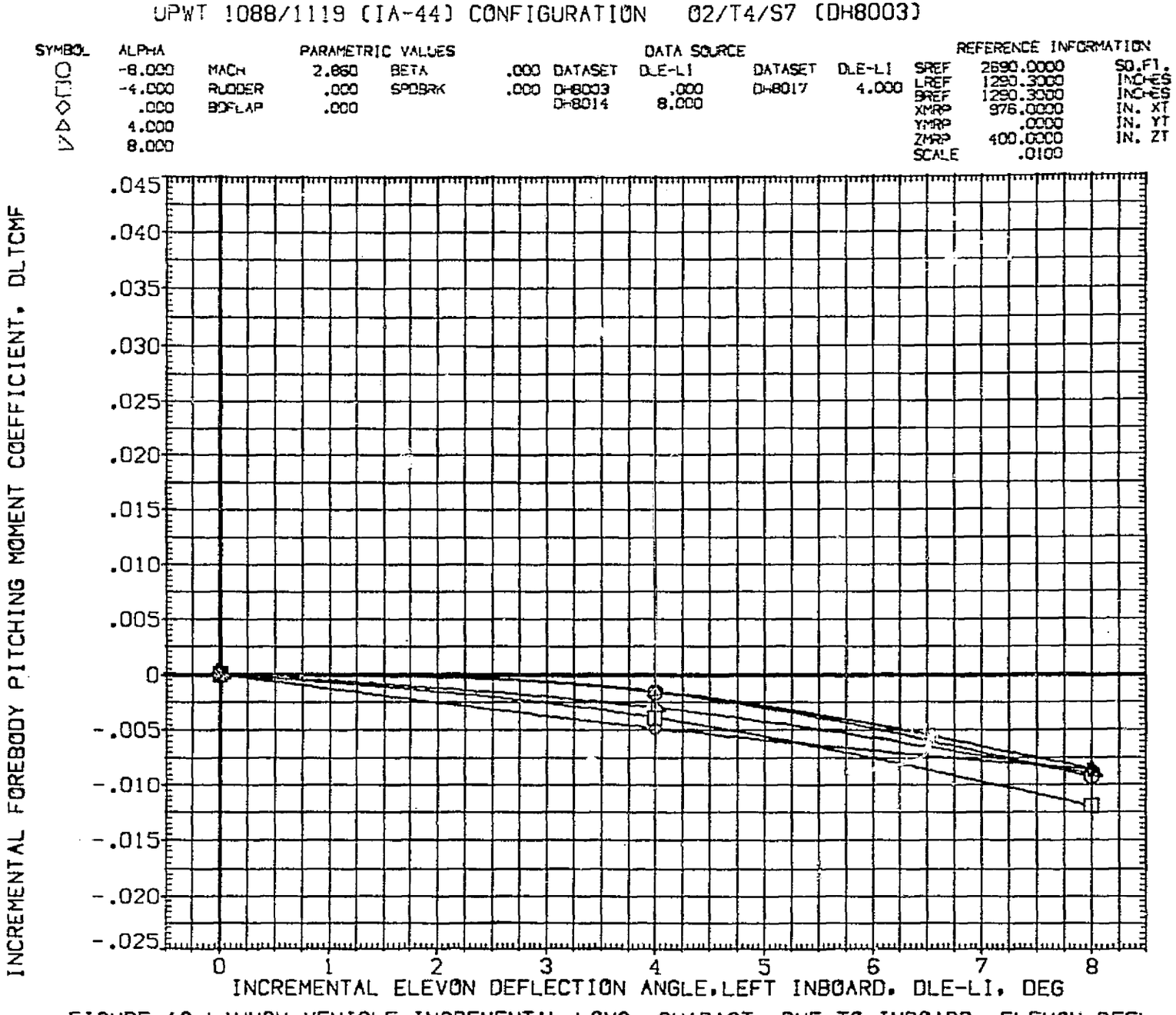


FIGURE 16 LAUNCH VEHICLE INCREMENTAL LONG. CHARACT DUE TO INBOARD ELEVON DEFL.

UPWT 1088/1119 (IA-44) CONFIGURATION 02/T4/S7 (DH8003)

SYMBOL	ALPHA	PARAMETRIC VALUES				DATA SOURCE				REFERENCE INFORMATION		
○	-8.000	MACH	2.860	BETA	.000	DATASET	DLE-LI	DATASET	DLE-LI	SREF	2690.0000	SQ.FT.
□	-4.000	RUDDER	.000	SPDBRK	.000	DH8003	.000	DH8017	4.000	LREF	1290.3000	INCHES
◇	.000	BDFLAP	.000			DH8014	8.000			BREF	1290.3000	INCHES
△	1.000									XMRP	976.0000	IN. XT
▽	8.000									YMRP	.0000	IN. YT
										ZMRP	400.0000	IN. ZT
										SCALE	.0100	

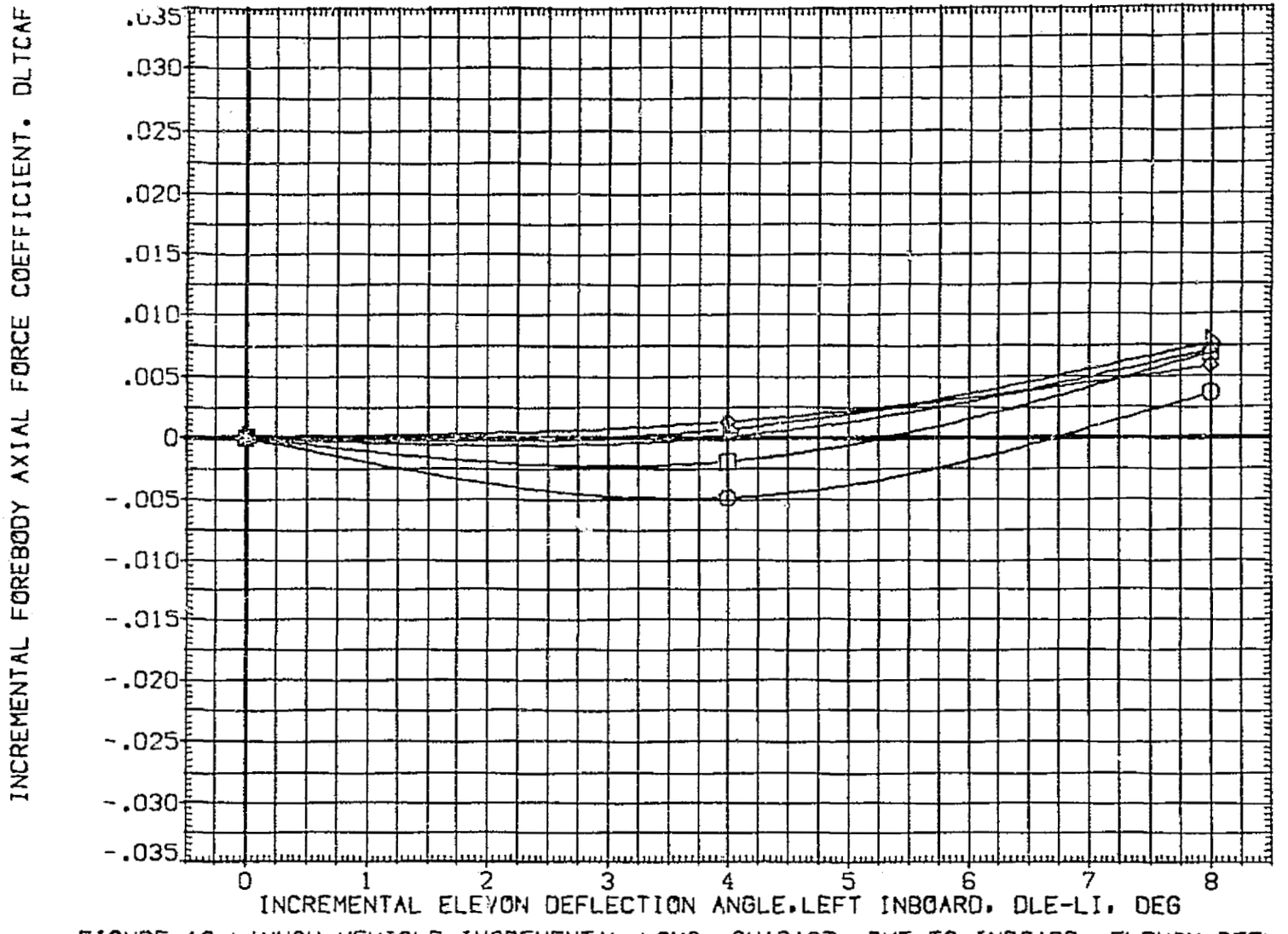


FIGURE 16 LAUNCH VEHICLE INCREMENTAL LONG. CHARACT DUE TO INBOARD ELEVON DEFL.

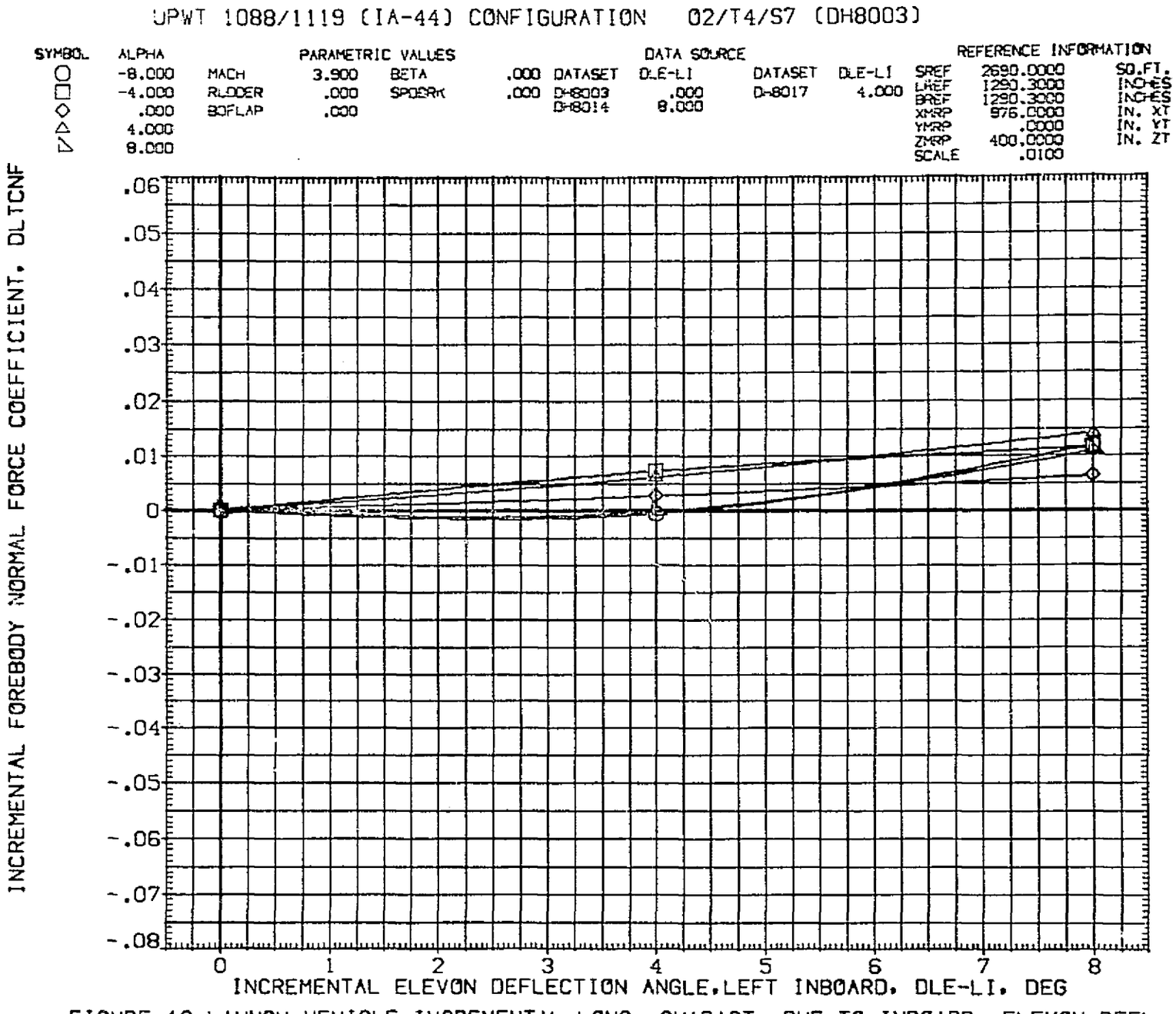


FIGURE 16 LAUNCH VEHICLE INCREMENTAL LONG. CHARACT DUE TO INBOARD ELEVON DEFL.

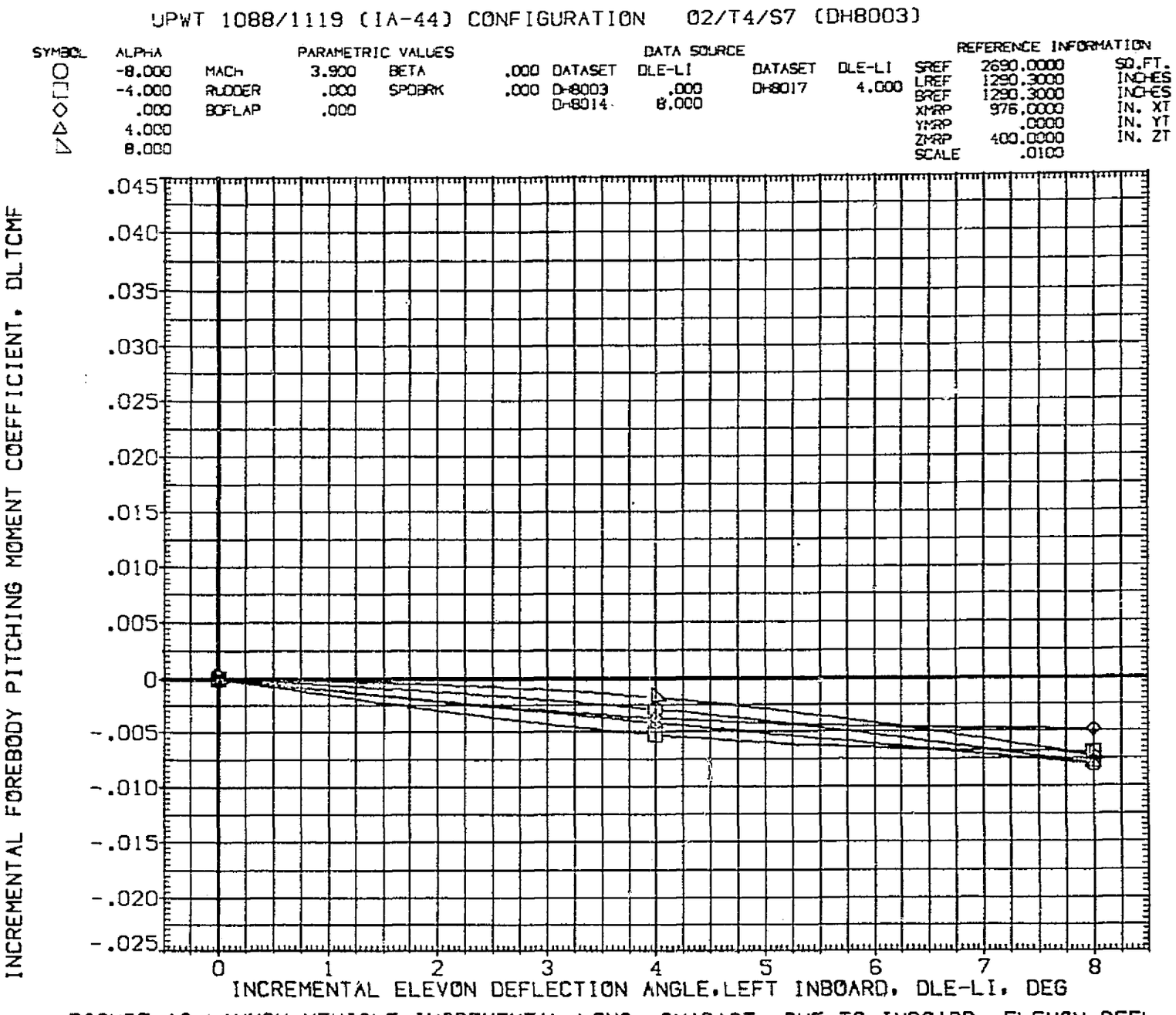


FIGURE 16 LAUNCH VEHICLE INCREMENTAL LONG. CHARACT DUE TO INBOARD ELEVON DEFL.

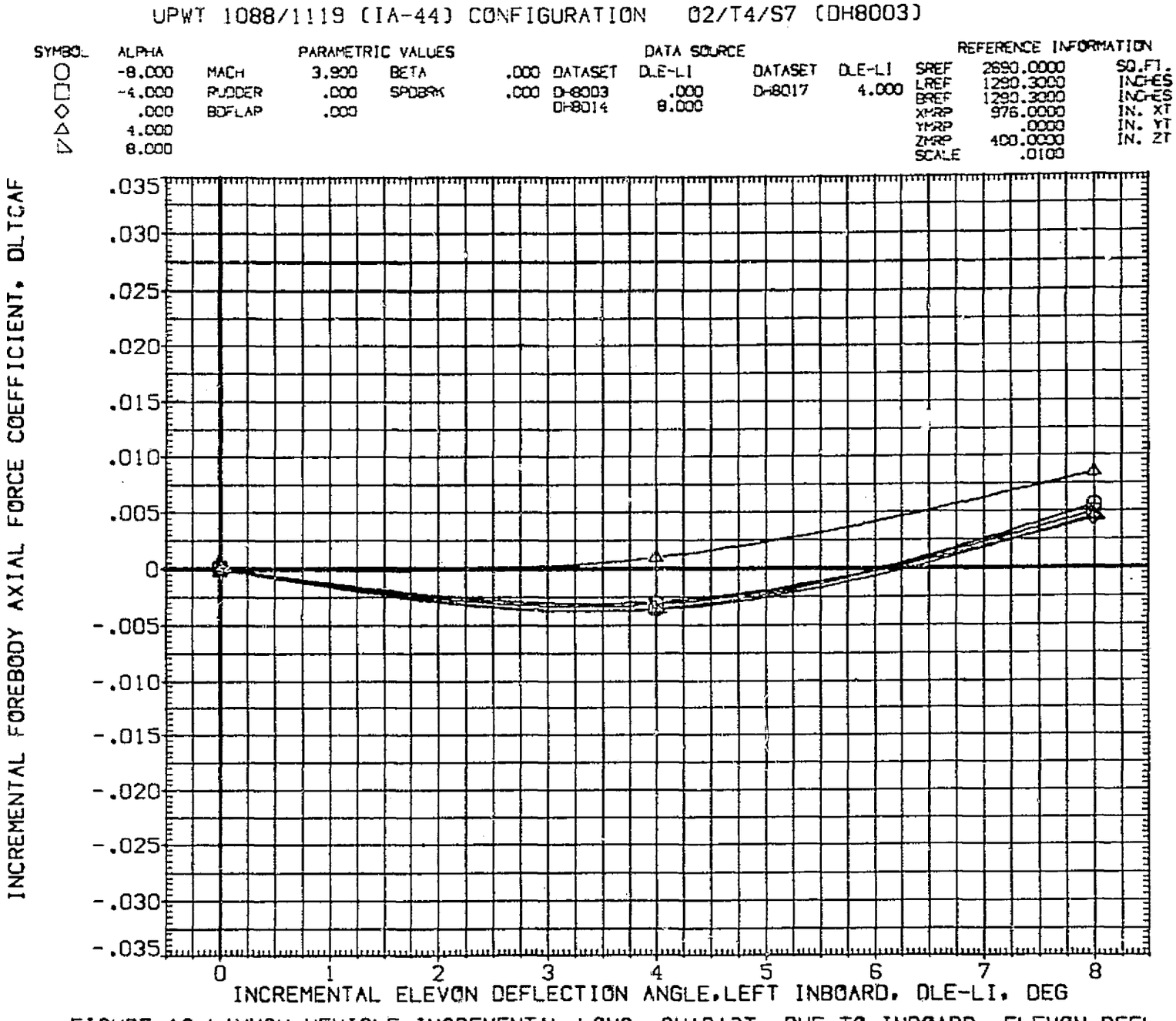


FIGURE 16 LAUNCH VEHICLE INCREMENTAL LONG. CHARACT DUE TO INBOARD ELEVON DEFL.

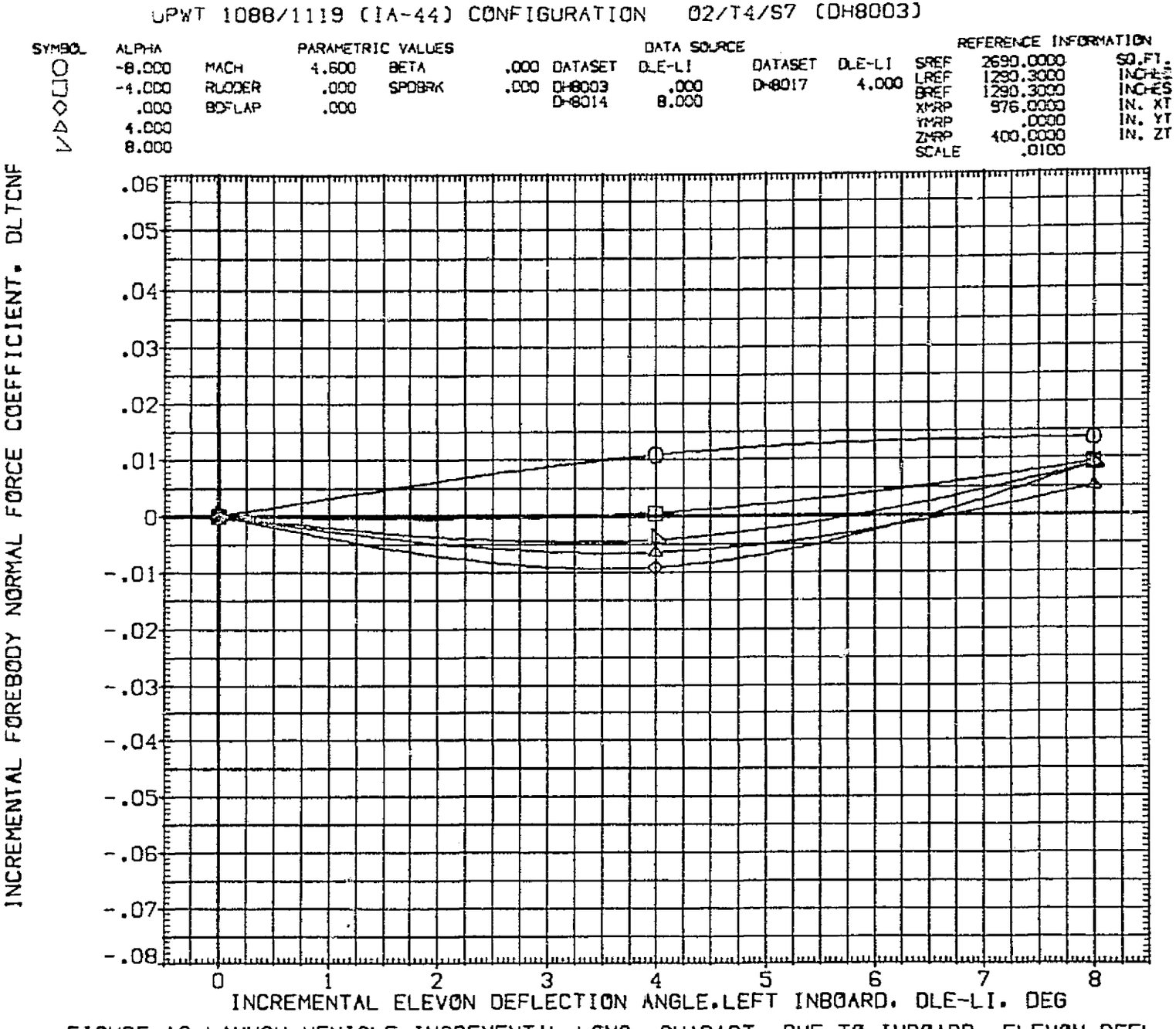


FIGURE 16 LAUNCH VEHICLE INCREMENTAL LONG. CHARACT DUE TO INBOARD ELEVON DEFL.

UPWT 1088/1119 (IA-44) CONFIGURATION 02/T4/S7 (DH8003)

SYMBOL	ALPHA		PARAMETRIC VALUES			DATA SOURCE				REFERENCE INFORMATION		
○	-8.000	MACH	4.600	BETA	.000	DATASET	DLE-LI	DATASET	DLE-LI	SREF	2690.0000	SQ.FT.
□	-4.000	RUDDER	.000	SPOBRK	.000	DH8003	.000	DH8017	4.000	LREF	1290.3000	INCHES
◇	.000	BOFLAP	.000			DH8014	8.000			BREF	1290.3000	INCHES
△	4.000									XMRP	976.0000	IN. XT
▽	8.000									YMRP	.0000	IN. YT
										ZMRP	400.0000	IN. ZT
										SCALE	.0100	

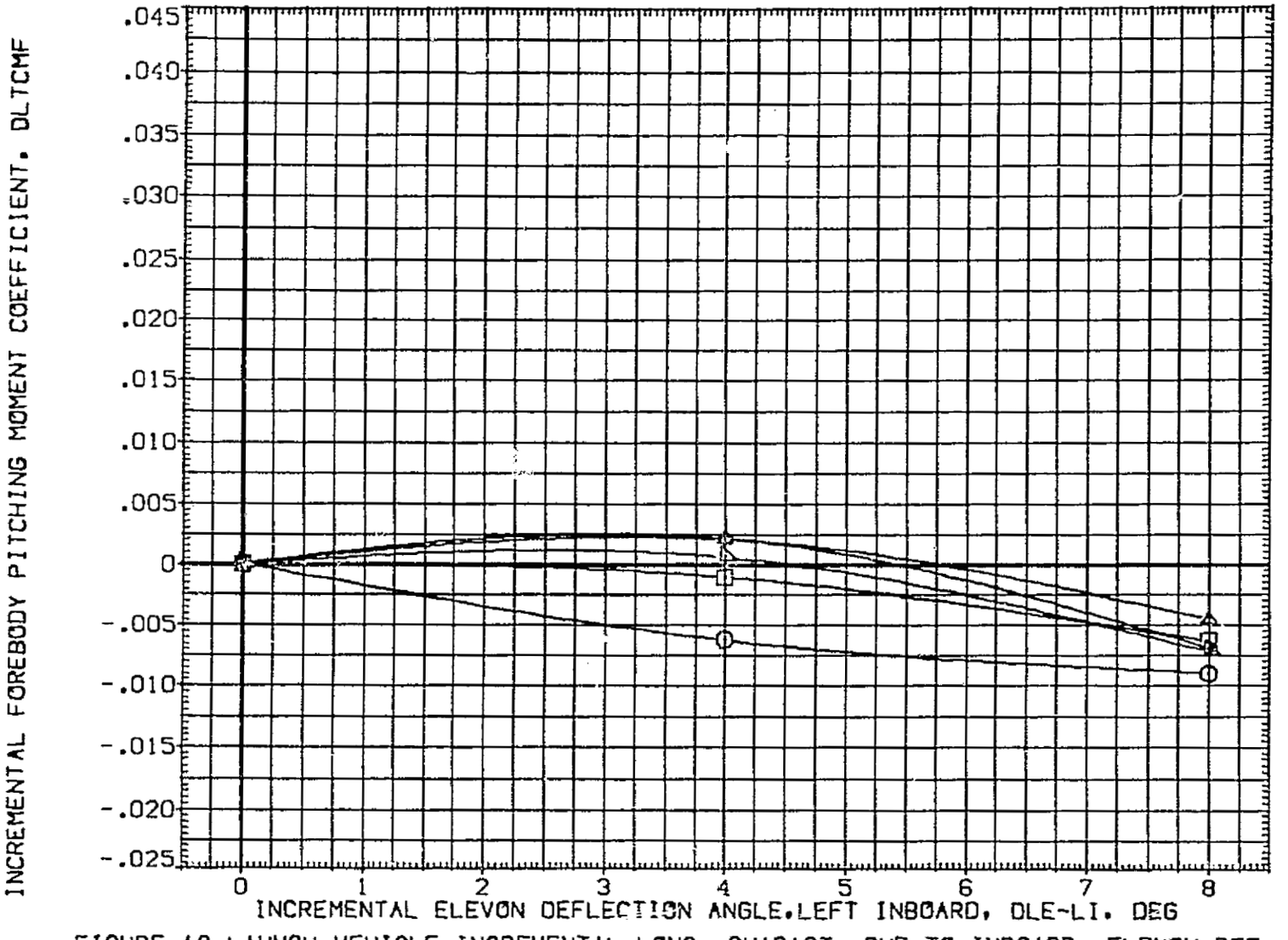


FIGURE 16 LAUNCH VEHICLE INCREMENTAL LONG. CHARACT DUE TO INBOARD ELEVON DEFL.

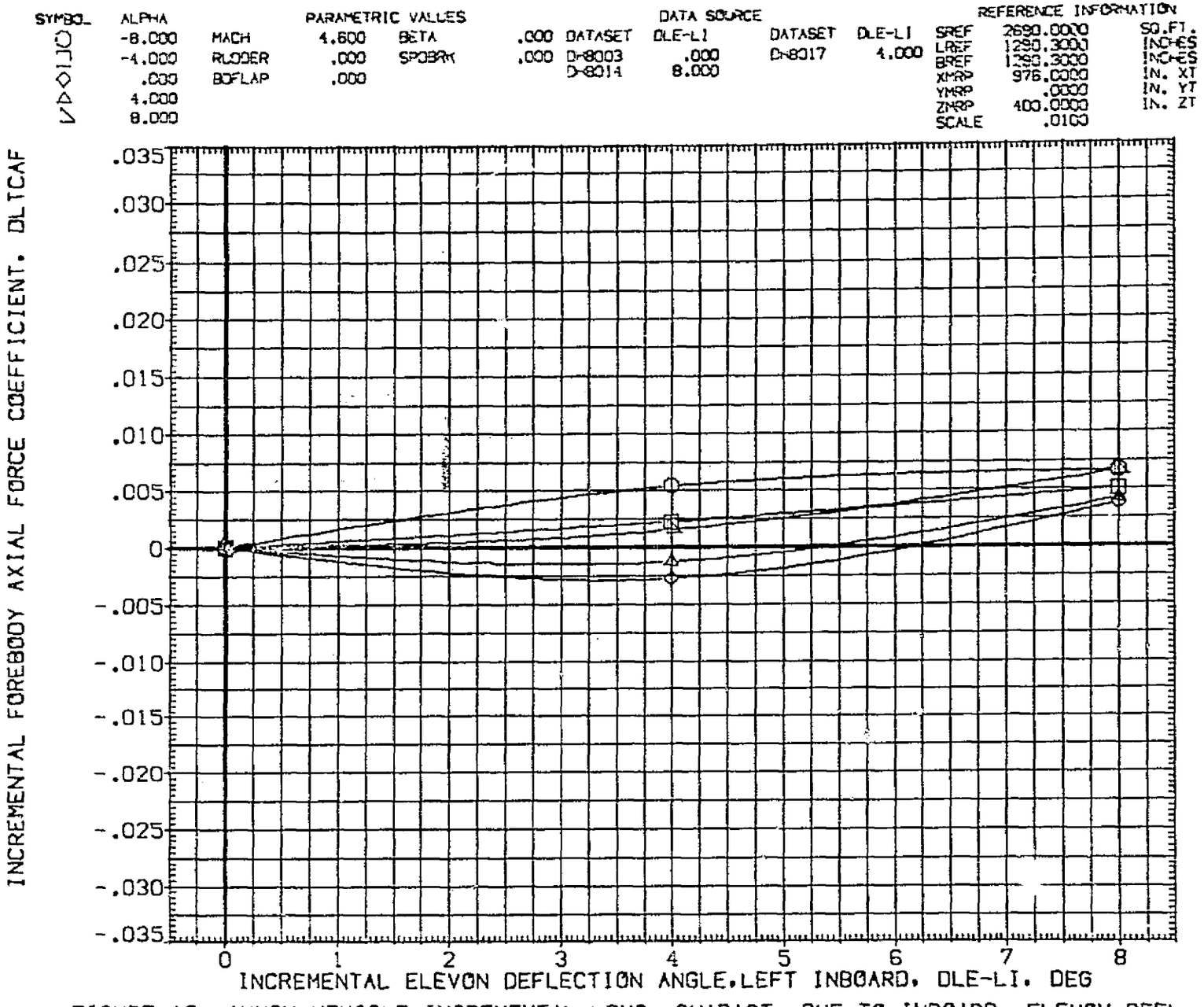


FIGURE 16 LAUNCH VEHICLE INCREMENTAL LONG. CHARACT DUE TO INBOARD ELEVON DEFL.

APPENDIX

TABULATED SOURCE DATA

Tabulations of plotted data are available on request from Data Management Services.

UPWT 1038/1119 (IA-44) CONFIGURATION V4/S7 (XH80031) (03 JAN 75)

REFERENCE DATA

SREF = 2800.0000 SQ.FT. XMRP = 376.0000 IN. XT
LREF = 1200.3000 INCHES YMRP = .0000 IN. YT
BREF = 1200.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 TANK = 1.000
SRB = 1.000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CPDRB	CPDMS	CPTC	CPSRB	CPSRBN	CPET
1.600	-10.222	-.04816	-.49592	.29140	.11126	.00000	.00000	-.17818	-.28957	-.26564	-.20065
1.600	-8.153	-.04733	-.37710	.29027	.08330	.00000	.00000	-.17444	-.28356	-.25277	-.19283
1.600	-5.989	-.04693	-.27699	.28603	.06755	.00000	.00000	-.17175	-.27439	-.23263	-.18857
1.600	-4.349	-.04509	-.20153	.28272	.05685	.00000	.00000	-.16847	-.27075	-.22638	-.18622
1.600	-1.973	-.04607	-.11344	.27752	.04621	.00000	.00000	-.15534	-.27153	-.21990	-.17832
1.600	-.939	-.04623	-.07458	.27595	.03780	.00000	.00000	-.15531	-.26924	-.21330	-.17921
1.600	.038	-.04558	-.03666	.27779	.03039	.00000	.00000	-.16179	-.26820	-.20640	-.18912
1.600	1.125	-.04507	.00814	.27738	.02171	.00000	.00000	-.16103	-.27027	-.20503	-.18559
1.600	2.160	-.04517	.05026	.27710	.01221	.00000	.00000	-.16134	-.27005	-.20342	-.18530
1.600	4.225	-.04433	.12447	.27082	.00335	.00000	.00000	-.16675	-.26930	-.21850	-.18535
1.600	6.310	-.04347	.21645	.28144	-.01154	.00000	.00000	-.16744	-.27588	-.22581	-.18831
1.600	8.330	-.04228	.32677	.28173	-.03249	.00000	.00000	-.16409	-.28370	-.23797	-.18711
1.600	10.553	-.04101	.45726	.28130	-.06737	.00000	.00000	-.16589	-.29703	-.25287	-.18642
	GRADIENT	.00013	.03843	-.00026	-.00567	.00000	.00000	-.00019	.00017	.00144	-.00049

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CPDRB	CPDMS	CPTC	CPSRB	CPSRBN	CPET
2.000	-9.672	-.05169	-.45520	.25448	.11952	.00000	.00000	-.12586	-.20393	-.18796	-.13458
2.000	-7.537	-.05145	-.34063	.25276	.08475	.00000	.00000	-.12035	-.20463	-.18088	-.12928
2.000	-5.531	-.05074	-.23657	.24969	.05863	.00000	.00000	-.11569	-.20305	-.16981	-.12739
2.000	-3.822	-.05120	-.16319	.24323	.04677	.00000	.00000	-.11435	-.20239	-.16479	-.12605
2.000	-1.470	-.05251	-.07312	.24473	.03461	.00000	.00000	-.11290	-.19554	-.15581	-.12768
2.000	-.445	-.05130	-.04374	.24352	.02739	.00000	.00000	-.11137	-.21603	-.16201	-.12584
2.000	.532	-.05106	-.00515	.24383	.01699	.00000	.00000	-.11238	-.20891	-.15858	-.13601
2.000	1.603	-.05171	.03015	.24659	.00834	.00000	.00000	-.11912	-.20026	-.16012	-.14251
2.000	2.630	-.05133	.06658	.24814	.00001	.00000	.00000	-.11831	-.19543	-.16129	-.14026
2.000	4.737	-.05051	.13903	.25015	-.00733	.00000	.00000	-.12432	-.19934	-.15139	-.14222
2.000	6.762	-.05147	.23198	.24933	-.02693	.00000	.00000	-.12240	-.20178	-.17431	-.14217
2.000	8.843	-.05137	.33673	.24703	-.05556	.00000	.00000	-.11843	-.20798	-.18485	-.13579
2.000	11.052	-.05144	.46012	.24375	-.08522	.00000	.00000	-.11475	-.22005	-.19414	-.12936
	GRADIENT	.00000	.03541	.00000	-.00679	.00000	.00000	-.00132	.00353	.00005	-.00238

ORIGINAL PAGE IS OF POOR QUALITY

USAT 1038/1119 (IA-44) CONFIGURATION T4/57 (XH3001) (05 JAN 75)

REFERENCE DATA

SREF = 3600.0000 SQ.FT. XMRP = 975.0000 IN. XT
LREF = 1200.0000 INCHES YMRP = .0000 IN. YT
BREF = 1200.0000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 TANK = 1.000
SRB = 1.000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CPORB	CPOMS	CPTC	CPSRB	CPSRBN	CPBT
2.500	-10.503	-.01732	-.46325	.22130	.13187	-.05630	-.07038	-.14600	-.17915	-.18619	-.15506
2.500	-8.439	-.01717	-.35525	.21874	.09351	-.05810	-.08999	-.13853	-.17798	-.18077	-.14733
2.500	-6.375	-.01745	-.25456	.21761	.06489	-.07427	-.10298	-.13492	-.17553	-.17467	-.14192
2.500	-4.320	-.01640	-.17238	.21577	.04674	-.07922	-.10057	-.13347	-.17446	-.16781	-.13775
2.500	-2.261	-.01679	-.09619	.21441	.03283	-.08177	-.11000	-.13234	-.17373	-.16297	-.13553
2.500	-1.240	-.01752	-.06335	.21350	.02752	-.08126	-.10331	-.13008	-.17370	-.15805	-.13073
2.500	-.200	-.01712	-.02575	.21335	.01852	-.08030	-.10753	-.12902	-.17349	-.16435	-.13930
2.500	.812	-.01750	.01161	.21482	.00796	-.08324	-.10480	-.13195	-.17457	-.15943	-.14302
2.500	1.840	-.01650	.04513	.21652	.00091	-.07979	-.09965	-.13534	-.17219	-.15557	-.14741
2.500	3.387	-.01602	.11511	.21843	-.01238	-.08039	-.09713	-.13658	-.17483	-.15403	-.14833
2.500	5.940	-.01555	.20275	.22007	-.03232	-.08339	-.10264	-.13501	-.17776	-.17077	-.14748
2.500	8.007	-.01538	.30034	.21908	-.05247	-.08585	-.10986	-.13437	-.17913	-.18102	-.14853
2.500	10.075	-.01555	.40726	.21787	-.09317	-.09076	-.11272	-.13073	-.18527	-.19163	-.14250
	GRADIENT	.00006	.03503	.00038	-.00742	-.00012	.00177	-.00052	.00032	.00067	-.00163

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CPORB	CPOMS	CPTC	CPSRB	CPSRBN	CPBT
2.860	-10.251	-.01871	-.43746	.20648	.12979	-.05240	-.06451	-.13451	-.14640	-.16025	-.14026
2.860	-8.200	-.01871	-.34054	.20344	.09865	-.06009	-.07583	-.12528	-.14788	-.15763	-.13130
2.860	-6.147	-.01803	-.24784	.20085	.06897	-.07118	-.08424	-.12446	-.14791	-.15354	-.12836
2.860	-4.091	-.01910	-.16195	.20079	.04603	-.07339	-.09758	-.12146	-.14579	-.14755	-.12424
2.860	-2.048	-.01880	-.09144	.19942	.03191	-.07642	-.09345	-.11850	-.14384	-.14309	-.12277
2.860	-1.026	-.01845	-.05910	.19851	.02520	-.07707	-.09754	-.11844	-.14492	-.14155	-.12458
2.860	.001	-.01849	-.02459	.19883	.01750	-.07737	-.09310	-.11698	-.14665	-.14569	-.12585
2.860	1.013	-.01800	.01413	.20040	.00640	-.07360	-.08335	-.12070	-.14541	-.14543	-.12908
2.860	2.033	-.01802	.04524	.20258	-.00073	-.07731	-.08340	-.12447	-.14717	-.14578	-.13433
2.860	4.082	-.01694	.11522	.20400	-.01489	-.07705	-.08556	-.12404	-.14863	-.14978	-.13332
2.860	6.140	-.01742	.20157	.20482	-.03620	-.07710	-.08997	-.12220	-.15161	-.15427	-.13244
2.860	8.193	-.01637	.29838	.20200	-.05313	-.08312	-.09574	-.12260	-.15273	-.15914	-.13203
2.860	10.241	-.01573	.39620	.20070	-.08183	-.08424	-.09910	-.12334	-.15644	-.16325	-.13134
	GRADIENT	.00023	.03392	.00049	-.00756	-.00045	.00178	-.00057	-.00035	-.00044	-.00155

JPWT 1038/1119 (IA-44) CONFIGURATION T4/S7 (XH8001) (03 JAN 75)

REFERENCE DATA

SREF = 2600.0000 SQ.FT. XMRP = 975.0000 IN. XT
LREF = 1200.3000 INCHES YMRP = .0000 IN. YT
BREF = 1200.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 TANK = 1.000
SRB = 1.000

RUN NO. 97 0 RNVL = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CPORB	CPOMS	CPTC	CPSRB	CPSRBN	CPET
3.900	-10.100	-.01967	-.36263	.16528	.19482	-.04039	-.04955	-.11938	-.10971	-.12268	-.11405
3.900	-8.073	-.01984	-.28512	.16306	.08102	-.05837	-.05341	-.10852	-.10316	-.12072	-.11061
3.900	-6.046	-.01989	-.21205	.16209	.05023	-.06572	-.06480	-.10754	-.10797	-.12122	-.10953
3.900	-4.005	-.01952	-.14651	.16263	.04234	-.07162	-.07218	-.10459	-.10853	-.11974	-.10765
3.900	-1.984	-.01983	-.08538	.16361	.02852	-.07457	-.07415	-.10311	-.10756	-.11777	-.10658
3.900	-.979	-.01999	-.05774	.15251	.02281	-.07300	-.07350	-.10311	-.10706	-.11578	-.10815
3.900	.048	-.01957	-.02709	.15178	.01607	-.03439	-.03350	-.10115	-.10558	-.11433	-.10568
3.900	1.056	-.01880	.00317	.15306	.00592	-.08783	-.09138	-.10508	-.10804	-.11629	-.10954
3.900	2.077	-.01864	.03382	.15528	.00044	-.08734	-.09235	-.10557	-.10657	-.11580	-.10913
3.900	4.104	-.01904	.09717	.15647	-.01380	-.07949	-.08892	-.10557	-.10755	-.11578	-.10913
3.900	6.136	-.01910	.15609	.15550	-.03225	-.07493	-.07957	-.10508	-.10902	-.11924	-.10854
3.900	8.170	-.01884	.24073	.15478	-.05461	-.07554	-.08203	-.10459	-.11097	-.12022	-.10765
3.900	10.205	-.01854	.31973	.16488	-.07341	-.08292	-.08793	-.10655	-.11195	-.12072	-.10913
	GRADIENT	.00011	.02932	.00046	-.00697	-.00157	-.00275	-.00025	.00012	.00038	-.00026

RUN NO. 97 0 RNVL = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CPORB	CPOMS	CPTC	CPSRB	CPSRBN	CPET
4.600	-9.544	-.01977	-.33539	.15451	.03130	-.06664	-.07494	-.10524	-.09675	-.11489	-.10325
4.600	-7.515	-.01954	-.26276	.15037	.07021	-.07504	-.07996	-.10637	-.10112	-.11615	-.10326
4.600	-5.488	-.01993	-.19543	.14935	.05261	-.07381	-.07934	-.10526	-.10425	-.11554	-.10827
4.600	-3.464	-.01984	-.13045	.14963	.03757	-.08293	-.08184	-.10371	-.10421	-.11299	-.10573
4.600	-1.443	-.01951	-.07903	.14575	.02702	-.08329	-.08875	-.10372	-.10485	-.11237	-.10511
4.600	-.433	-.01928	-.04933	.14628	.02115	-.08421	-.08440	-.10120	-.10421	-.11173	-.10447
4.600	.573	-.01866	-.02334	.14584	.01461	-.08519	-.08754	-.10247	-.10485	-.11237	-.10511
4.600	1.587	-.01907	-.00567	.14713	.00775	-.08369	-.08905	-.10183	-.10421	-.11173	-.10573
4.600	2.601	-.01910	.03703	.14923	.00081	-.08369	-.09005	-.10308	-.10421	-.11173	-.10573
4.600	4.615	-.01830	.08754	.14891	-.00359	-.08234	-.08318	-.10499	-.10511	-.11427	-.10763
4.600	6.645	-.01909	.15453	.14774	-.02815	-.08731	-.08554	-.10433	-.10670	-.11435	-.10553
4.600	8.661	-.01865	.21703	.14665	-.04733	-.08235	-.08319	-.10525	-.10851	-.11617	-.10764
4.600	10.698	-.01918	.28418	.14920	-.06957	-.08671	-.08941	-.10621	-.10734	-.11435	-.10322
	GRADIENT	.00011	.02732	.00037	-.00503	-.00143	-.00221	-.00011	-.00015	-.00039	-.00024

UPWT 1089/1113 (IA-44) CONFIGURATION T4/57 (XH80002) (03 JAN 75)

REFERENCE DATA

SREF = 2600.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1200.3000 INCHES YMRP = .0000 IN. YT
BREF = 1200.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

ALPHA = .000 TANK = 1.000
SRS = 1.000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CLM	CPSRB	CPSMS	CPTC	CPSRB	CPSRBN	CPET
1.600	-10.228	.09911	-.03006	.29041	.02914	.00000	.00000	-.18975	-.32497	-.27213	-.20694
1.600	-8.204	.09419	-.03250	.29632	.02835	.00000	.00000	-.17737	-.32035	-.26065	-.19763
1.600	-6.152	.09284	-.03231	.28445	.02842	.00000	.00000	-.17437	-.31214	-.24929	-.19183
1.600	-4.128	.09001	-.03589	.28216	.03134	.00000	.00000	-.17221	-.29824	-.23659	-.18936
1.600	-2.044	.09098	-.03315	.28019	.03075	.00000	.00000	-.17019	-.28552	-.22357	-.19005
1.600	-.065	.09267	-.03368	.27729	.02963	.00000	.00000	-.16081	-.25718	-.20522	-.18790
1.600	1.972	.08789	-.03719	.27657	.03039	.00000	.00000	-.16171	-.25625	-.19242	-.18413
1.600	4.029	.08627	-.03874	.27795	.02888	.00000	.00000	-.16116	-.24977	-.18315	-.18505
1.600	6.033	.08053	-.04031	.28033	.02753	.00000	.00000	-.16547	-.24258	-.17720	-.18977
1.600	8.120	.08709	-.03548	.28337	.02575	.00000	.00000	-.16886	-.23259	-.17281	-.19535
1.600	10.255	.08112	-.04038	.28478	.02597	.00000	.00000	-.17759	-.22515	-.17222	-.20162
	GRADIENT	-.00052	-.00038	-.00053	-.00027	.00000	.00000	.00150	.00520	.00579	.00561

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CLM	CPSRB	CPSMS	CPTC	CPSRB	CPSRBN	CPET
2.000	-10.223	.59728	-.00559	.25514	.01717	.00000	.00000	-.13540	-.24043	-.19413	-.14809
2.000	-8.219	.60107	-.00482	.25265	.01682	.00000	.00000	-.12554	-.23734	-.19166	-.14169
2.000	-6.178	.57919	-.00230	.25087	.01554	.00000	.00000	-.11841	-.23176	-.18793	-.13538
2.000	-4.145	.53825	-.00356	.24834	.01573	.00000	.00000	-.11841	-.22589	-.17895	-.13500
2.000	-2.079	.53691	-.00187	.24793	.01552	.00000	.00000	-.11451	-.21792	-.16780	-.13795
2.000	-.081	.57864	-.00514	.24385	.01619	.00000	.00000	-.11259	-.20799	-.15767	-.13541
2.000	1.994	.58157	-.00452	.24395	.01579	.00000	.00000	-.11373	-.19558	-.14779	-.13069
2.000	4.032	.58282	-.00402	.24648	.01465	.00000	.00000	-.11716	-.18973	-.14526	-.13227
2.000	6.037	.58506	-.00421	.24320	.01540	.00000	.00000	-.11679	-.19031	-.14490	-.13160
2.000	8.106	.58533	-.00435	.25088	.01582	.00000	.00000	-.12180	-.18881	-.14002	-.13476
2.000	10.212	.57406	-.00534	.25339	.01680	.00000	.00000	-.13250	-.18327	-.13911	-.14405
	GRADIENT	-.00064	-.00017	-.00033	-.00003	.00000	.00000	.00315	.00463	.00424	.00372

UPWT 1088/1119 (IA-44) CONFIGURATION T4/S7 (XH9002) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

ALPHA = .000 TANK = 1.000
SRB = 1.000

RUN NO. 9/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CLM	CPORB	CPOMS	CPTC	CPSRB	CPSRBN	CPET
2.860	-10.133	-.01397	-.03280	.20592	.02074	-.09550	-.11485	-.13533	-.15127	-.16139	-.14219
2.860	-8.118	-.01581	-.02976	.20410	.01954	-.08951	-.10661	-.13047	-.14850	-.16102	-.13995
2.860	-6.100	-.02041	-.02899	.20343	.01927	-.08276	-.10024	-.12709	-.14977	-.15977	-.13583
2.860	-4.052	-.01338	-.02716	.20106	.01853	-.08157	-.09382	-.12256	-.15198	-.15577	-.13132
2.860	-2.010	-.01445	-.02871	.19891	.01878	-.08419	-.09383	-.11995	-.14938	-.15353	-.12945
2.860	-.018	-.01287	-.02683	.19764	.01816	-.07835	-.09393	-.11741	-.14608	-.14646	-.12765
2.860	2.014	-.01556	-.02950	.19692	.01892	-.07805	-.10258	-.11746	-.14462	-.14462	-.12619
2.860	4.046	-.01347	-.02768	.19905	.01828	-.07949	-.10329	-.11743	-.14312	-.14013	-.12617
2.860	6.096	-.01108	-.02802	.20247	.01882	-.08059	-.09282	-.12339	-.14312	-.13788	-.13138
2.860	8.126	-.01059	-.03047	.20465	.02051	-.08735	-.09622	-.12827	-.14452	-.13753	-.13513
2.860	10.241	-.01076	-.03076	.20523	.02058	-.09774	-.11149	-.13272	-.14386	-.13714	-.14220
	GRADIENT	-.00005	-.00009	-.00030	-.00002	.00051	-.00137	.00063	.00111	.00199	.00067

RUN NO. 9/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CLM	CPORB	CPOMS	CPTC	CPSRB	CPSRBN	CPET
3.900	-10.092	.03912	-.02945	.16954	.01462	-.08784	-.09384	-.11147	-.11048	-.11727	-.11305
3.900	-8.107	.04008	-.03003	.16702	.01585	-.08882	-.09334	-.11049	-.10901	-.11825	-.11208
3.900	-6.080	.03858	-.03070	.16554	.01577	-.08783	-.09236	-.10902	-.10951	-.11876	-.11160
3.900	-4.040	.03847	-.03147	.16379	.01737	-.08539	-.09099	-.10753	-.10901	-.11874	-.10962
3.900	-2.006	.04077	-.03218	.16303	.01820	-.08784	-.09433	-.10409	-.10852	-.11824	-.10913
3.900	-.019	.04055	-.03147	.16202	.01803	-.08637	-.09187	-.10212	-.10803	-.11677	-.10765
3.900	2.006	.04031	-.02940	.16033	.01[illegible]	-.08195	-.08843	-.10360	-.10705	-.11578	-.10814
3.900	4.031	.04095	-.03013	.16307	.01734	-.08096	-.08843	-.10507	-.10510	-.11530	-.10864
3.900	6.073	.04373	-.03397	.16517	.01845	-.08244	-.09235	-.10901	-.10511	-.11677	-.11209
3.900	8.113	.04294	-.03480	.16603	.01803	-.08391	-.09580	-.10999	-.10755	-.11579	-.11257
3.900	10.199	.03925	-.03269	.15743	.01627	-.09078	-.09974	-.11145	-.10901	-.11578	-.11404
	GRADIENT	.00022	.00027	-.00020	-.00009	.00073	.00054	.00027	.00046	.00046	.00015

ORIGINAL PAGE IS OF POOR QUALITY

UPWT 1989/1119 (IA-44) CONFIGURATION T4/S7 (XH8002) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

ALPHA = .000 TANK = 1.000
SRB = 1.000

RUN NO. 9/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CLM	CFORB	CFOMS	CFTC	CFSRB	CFSRBN	CPET
4.600	-10.087	.57008	-.02539	.15271	.01380	-.09736	-.09592	-.10813	-.10798	-.11239	-.10888
4.600	-8.070	.57166	-.02649	.15041	.01475	-.09609	-.09564	-.10810	-.10545	-.11235	-.10948
4.600	-6.066	.56890	-.02763	.14925	.01588	-.09800	-.09892	-.10940	-.10549	-.11428	-.11015
4.600	-4.031	.56912	-.02512	.14702	.01499	-.09797	-.10005	-.10911	-.10484	-.11362	-.10886
4.600	-1.982	.56697	-.02818	.14584	.01684	-.09861	-.10132	-.10562	-.10511	-.11301	-.10700
4.600	-.020	.56686	-.02571	.14490	.01550	-.09799	-.10194	-.10372	-.10609	-.11237	-.10574
4.600	1.982	.57991	-.02312	.14358	.01452	-.09422	-.09943	-.10372	-.10422	-.11175	-.10636
4.600	4.041	.57957	-.02821	.14534	.01651	-.09297	-.10006	-.10697	-.10423	-.11301	-.10898
4.600	6.058	.58100	-.02760	.14721	.01663	-.09045	-.09917	-.10686	-.10298	-.11237	-.10887
4.600	8.054	.57297	-.02710	.14810	.01572	-.09485	-.10007	-.10977	-.10612	-.11308	-.11015
4.600	9.946	.57278	-.02660	.14842	.01484	-.09511	-.10132	-.10976	-.10611	-.11239	-.11014
	GRADIENT	.00169	-.00006	-.00027	.00005	.00072	.00009	.00022	.00015	.00012	.00003

UPWT 1088/1119 (IA-44) CONFIGURATION 02/T4/S7 (XH8003) (01 MAY 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CPCRB	CPCMS	CPTC	CPSRB	CPSRBN	CPET
1.600	-10.629	-.06413	-.78137	.46130	.30659	-.21844	-.23445	-.20880	-.32479	-.28694	-.28138
1.600	-8.544	-.06625	-.61501	.45909	.23695	-.22052	-.23745	-.21026	-.32170	-.28262	-.27338
1.600	-6.431	-.06478	-.45708	.45185	.17569	-.21557	-.23123	-.20564	-.31597	-.27268	-.26468
1.600	-4.629	-.06582	-.33268	.44669	.12809	-.21389	-.22732	-.20570	-.30901	-.26785	-.26198
1.600	-2.232	-.06445	-.18126	.44584	.07085	-.20960	-.21576	-.20537	-.31170	-.26299	-.26586
1.600	-1.180	-.06497	-.11763	.44448	.04810	-.21334	-.21769	-.21041	-.31521	-.26433	-.27004
1.600	-.119	-.06592	-.04540	.44374	.02230	-.21429	-.21803	-.21196	-.31797	-.26405	-.26976
1.600	.931	-.06589	.02005	.44369	-.00216	-.21559	-.21629	-.21418	-.32108	-.26595	-.26770
1.600	1.977	-.06569	.07617	.44148	-.02308	-.21642	-.21620	-.21531	-.32102	-.27045	-.26519
1.600	4.075	-.06660	.19884	.43644	-.07460	-.20529	-.20553	-.20398	-.33206	-.28090	-.25127
1.600	6.165	-.06577	.31280	.43501	-.11824	-.20167	-.20261	-.20097	-.33238	-.27768	-.24794
1.600	8.269	-.06641	.43592	.43480	-.16154	-.20447	-.20654	-.20215	-.33099	-.27519	-.24312
1.600	10.454	-.06631	.56378	.43299	-.20276	-.20691	-.20929	-.20388	-.33876	-.28050	-.24334
	GRADIENT	-.00014	.06131	-.00110	-.02314	.00040	.00194	-.00033	-.00256	-.00147	.00102

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CPCRB	CPCMS	CPTC	CPSRB	CPSRBN	CPET
2.000	-10.029	-.07403	-.70121	.41689	.27614	-.15118	-.15752	-.15658	-.23770	-.20157	-.19210
2.000	-7.935	-.06986	-.54436	.40864	.21292	-.15057	-.15881	-.15944	-.22598	-.19239	-.18386
2.000	-5.842	-.06954	-.40035	.40223	.15624	-.15188	-.16171	-.15980	-.22095	-.17890	-.18295
2.000	-4.061	-.06743	-.29346	.39818	.11724	-.14935	-.15853	-.15654	-.21651	-.17437	-.18105
2.000	-1.670	-.06633	-.16428	.39461	.07375	-.14936	-.15537	-.15570	-.22317	-.17375	-.17408
2.000	-.619	-.06567	-.10925	.39210	.05497	-.14938	-.15444	-.15540	-.22445	-.17249	-.16934
2.000	.425	-.06540	-.05105	.39049	.03535	-.14970	-.15380	-.15414	-.22698	-.17313	-.16775
2.000	1.469	-.06494	.00273	.38980	.01578	-.15123	-.15471	-.15441	-.22791	-.17720	-.16549
2.000	2.518	-.06517	.06282	.38807	-.00681	-.15090	-.15247	-.15313	-.22790	-.17814	-.16357
2.000	4.601	-.06364	.17544	.38717	-.05505	-.15093	-.15060	-.15284	-.22380	-.18070	-.16772
2.000	6.692	-.06200	.29997	.38702	-.10608	-.15443	-.15315	-.15539	-.22096	-.17650	-.16299
2.000	8.798	-.06102	.42605	.38538	-.15077	-.15155	-.14932	-.15158	-.21999	-.17373	-.15948
2.000	10.985	-.05931	.54883	.38225	-.19718	-.14499	-.14294	-.14491	-.22441	-.17561	-.16040
	GRADIENT	.00040	.05412	-.00132	-.01959	-.00025	.00083	.00047	-.00096	-.00084	.00175

ORIGINAL PAGE IS OF POOR QUALITY

UPWT 1088/1119 (IA-44) CONFIGURATION 02/T4/S7 (XH8003) (01 MAY 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CFORB	CFOMS	CFTC	CFSRB	CFSRBN	CFET
2.500	-10.908	.00609	-.67013	.37781	.26414	-.13588	-.13802	-.13350	-.18435	-.16257	.17539
2.500	-8.832	.00504	-.54479	.36726	.21320	-.13064	-.13290	-.12975	-.18286	-.16404	.14792
2.500	-6.741	.00306	-.41806	.35925	.16150	-.12919	-.13319	-.12792	-.17843	-.15475	.11576
2.500	-4.630	.00194	-.30265	.35478	.11875	-.13325	-.13651	-.13161	-.17989	-.15285	.09839
2.500	-2.544	.00239	-.20073	.35209	.09692	-.13733	-.13948	-.13458	-.18026	-.15433	.08650
2.500	-1.510	.00094	-.15321	.35085	.07467	-.13748	-.13952	-.13510	-.17995	-.15409	.08935
2.500	-.478	-.00084	-.10137	.34978	.06088	-.13754	-.13958	-.13517	-.17778	-.15227	.08653
2.500	.552	-.00320	-.05973	.34816	.05077	-.13930	-.14071	-.13730	-.17736	-.15331	.06900
2.500	1.559	-.00246	-.01698	.34501	.03760	-.13996	-.14063	-.13759	-.17657	-.15659	.05847
2.500	3.657	-.00317	.07668	.33962	.00472	-.14218	-.14173	-.14019	-.17767	-.15434	.04958
2.500	5.705	-.00411	.18394	.33695	-.03727	-.13950	-.13802	-.13722	-.17768	-.14989	.05324
2.500	7.809	-.00659	.30165	.33599	-.08457	-.14525	-.14332	-.14364	-.17699	-.14773	.04883
2.500	9.895	-.00723	.41909	.33132	-.12992	-.14373	-.14057	-.14099	-.17660	-.14895	.05311
	GRADIENT	-.00078	.04557	-.00178	-.01333	-.00099	-.00056	-.00099	.00043	-.00022	-.00625

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CFORB	CFOMS	CFTC	CFSRB	CFSRBN	CFET
2.860	-10.620	.00384	-.62672	.35830	.24512	-.11084	-.11163	-.10746	-.14314	-.12711	.20171
2.860	-8.558	.00296	-.51630	.35010	.20446	-.10959	-.11038	-.10621	-.14313	-.12791	.17686
2.860	-6.452	.00180	-.40522	.34075	.16579	-.11041	-.11161	-.10785	-.14313	-.12751	.15259
2.860	-4.409	.00134	-.29910	.33090	.13007	-.11293	-.11495	-.10956	-.14479	-.12796	.11269
2.860	-2.315	-.00084	-.19587	.32324	.09598	-.11497	-.11577	-.11284	-.14317	-.12397	.09713
2.860	-1.263	-.00120	-.14914	.32046	.08171	-.11616	-.11738	-.11485	-.14356	-.12465	.09893
2.860	-.263	-.00199	-.10814	.31828	.07044	-.11652	-.11783	-.11530	-.14439	-.12511	.09913
2.860	.790	-.00234	-.06487	.31509	.05697	-.11651	-.11782	-.11488	-.14399	-.12674	.07178
2.860	1.797	*-.00465	-.01593	.31349	.03952	-.11496	-.11576	-.11283	-.14032	-.12550	.06619
2.860	3.896	-.00601	.07334	.30862	.00652	-.11781	-.11862	-.11486	-.13909	-.12385	.05959
2.860	5.929	-.00703	.16711	.30411	-.02963	-.11705	-.11701	-.11408	-.13749	-.11979	.07090
2.860	8.017	-.00905	.28053	.30135	-.07467	-.11694	-.11559	-.11398	-.13336	-.11397	.06966
2.860	10.081	-.00942	.38751	.29705	-.11537	-.11823	-.11617	-.11528	-.13543	-.11690	.06120
	GRADIENT	-.00088	.04446	-.00262	-.01453	-.00046	-.00035	-.00049	.00055	.00026	-.00693

UPWT 1088/1119 (IA-44) CONFIGURATION 02/T4/S7 (X48003) (01 MAY 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CFORB	CFOHS	CFTC	CFSRB	CFSRBN	CFET
3.900	-10.516	-.01505	-.50020	.30912	.19123	-.06158	-.05840	-.05568	-.07967	-.05989	.27578
3.900	-8.471	-.01640	-.42226	.29963	.16690	-.06159	-.05787	-.05723	-.08029	-.06044	.21528
3.900	-6.430	-.01643	-.35345	.28636	.14838	-.06374	-.06057	-.05947	-.08297	-.06314	.18399
3.900	-4.389	-.01776	-.26998	.27563	.12102	-.06428	-.06111	-.06047	-.08297	-.06422	.16943
3.900	-2.356	-.01977	-.18965	.26827	.09647	-.06267	-.05949	-.05939	-.08082	-.06368	.12362
3.900	-1.328	-.01958	-.15359	.26471	.08523	-.06535	-.06165	-.05155	-.08189	-.06584	.10582
3.900	-.304	-.01992	-.11423	.26154	.07317	-.06590	-.06220	-.06263	-.08136	-.06538	.10094
3.900	.724	-.02081	-.07485	.25875	.06148	-.06429	-.06111	-.06155	-.07922	-.06476	.10475
3.900	1.725	-.02056	-.04187	.25601	.05209	-.06544	-.06327	-.06263	-.07922	-.06530	.10312
3.900	3.772	-.02114	.03487	.25133	.02584	-.06752	-.06435	-.06425	-.07868	-.06530	.09933
3.900	5.811	-.02234	.11302	.24652	-.00077	-.06805	-.06489	-.06478	-.07707	-.06368	.13873
3.900	7.861	-.02412	.20671	.24226	-.03691	-.06599	-.06382	-.06318	-.07494	-.06099	.11169
3.900	9.905	-.02363	.28837	.23739	-.06492	-.06751	-.06435	-.06316	-.07546	-.06260	.05355
	GRADIENT	-.00039	.03719	-.00298	-.01151	-.00045	-.00047	-.00059	.00054	-.00015	-.00753

RUN NO. 0/ 0 RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CFORB	CFOHS	CFTC	CFSRB	CFSRBN	CFET
4.600	-9.891	-.01610	-.47459	.29770	.19022	-.04121	-.03716	-.03702	-.05825	-.03907	.24025
4.600	-7.856	-.01659	-.39861	.28415	.15877	-.03993	-.03570	-.03426	-.05757	-.03630	.19379
4.600	-5.827	-.01874	-.31857	.27236	.13527	-.03710	-.03099	-.03223	-.05484	-.03358	.20729
4.600	-3.794	-.01903	-.24854	.25957	.11380	-.03915	-.03233	-.03358	-.05589	-.03552	.17917
4.600	-1.763	-.01995	-.17626	.24895	.09226	-.03983	-.03370	-.03495	-.05757	-.03790	.12527
4.600	-.745	-.01988	-.14228	.24364	.08213	-.04259	-.03547	-.03702	-.05757	-.03976	.12118
4.600	.261	-.02128	-.09788	.24135	.06796	-.03916	-.03372	-.03428	-.05483	-.03702	.13139
4.600	1.276	-.02067	-.05982	.23595	.06162	-.04259	-.03546	-.03701	-.05688	-.03975	.12679
4.600	2.305	-.02154	-.02564	.23421	.04658	-.04122	-.03578	-.03565	-.05482	-.03838	.13496
4.600	4.330	-.02186	.04228	.22801	.02525	-.04054	-.03511	-.03497	-.05345	-.03563	.15489
4.600	6.352	-.02232	.11625	.22156	-.00004	-.04260	-.03648	-.03703	-.05482	-.03700	.10936
4.600	8.381	-.02310	.19408	.21544	-.02963	-.04398	-.03785	-.03771	-.05413	-.03837	.06926
4.600	10.418	-.02323	.27775	.21037	-.05033	-.04192	-.03649	-.03535	-.05207	-.03701	.04358
	GRADIENT	-.00036	.03603	-.00383	-.01093	-.00020	-.00036	-.00016	.00047	-.00007	-.00169

UPWT 1088/1119 (IA-44) CONFIGURATION 02/T4/S7 (XH8004) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

ALPHA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPOBRK = .000 SDFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CLM	CFORB	CFONS	CFTC	CFSRB	CFSRBN	CFET
1.600	-10.486	-.14741	-.05001	.45271	.01040	-.28117	-.29533	-.26345	-.39344	-.33616	-.27534
1.600	-8.373	-.14330	-.04667	.45303	.01338	-.27265	-.27957	-.27379	-.39183	-.32859	-.28216
1.600	-6.315	-.14298	-.04959	.45016	.01539	-.26392	-.26547	-.26311	-.38433	-.31232	-.27655
1.600	-4.237	-.13478	-.04778	.44725	.01846	-.24516	-.25104	-.24655	-.37901	-.30356	-.27655
1.600	-2.106	-.13648	-.05250	.44413	.02332	-.23948	-.24188	-.24087	-.35705	-.28880	-.27054
1.600	-.066	-.13708	-.05134	.44161	.02242	-.23544	-.23815	-.23622	-.33297	-.27410	-.25555
1.600	2.034	-.13296	-.05035	.44060	.02007	-.23925	-.24385	-.23596	-.31267	-.25725	-.25182
1.600	4.113	-.12576	-.04670	.44494	.01718	-.25449	-.25601	-.24409	-.29920	-.24214	-.26177
1.600	6.212	-.13897	-.05109	.44835	.01848	-.26765	-.27078	-.26464	-.28351	-.22370	-.27433
1.600	8.320	-.14239	-.05005	.44939	.02153	-.28237	-.28969	-.27903	-.27884	-.21527	-.28877
1.600	10.479	-.15795	-.06636	.45111	.02294	-.29081	-.29748	-.28934	-.27539	-.21277	-.29316
	GRADIENT	.00103	.00020	-.00039	-.00028	-.00088	-.00057	.00048	.00988	.00741	.00232

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CLM	CFORB	CFONS	CFTC	CFSRB	CFSRBN	CFET
2.000	-10.455	.42350	-.03905	.39878	.01954	-.18548	-.20209	-.19177	-.24474	-.21212	-.17444
2.000	-8.352	.41939	-.04158	.39974	.02263	-.17979	-.19670	-.18542	-.24222	-.20706	-.17636
2.000	-6.283	.42294	-.04322	.39870	.02624	-.17253	-.18878	-.17979	-.23874	-.20105	-.17415
2.000	-4.229	.42595	-.04666	.39707	.03030	-.16491	-.17733	-.17218	-.24252	-.19554	-.17285
2.000	-2.105	.42198	-.05460	.39210	.03554	-.16110	-.16779	-.16427	-.23523	-.17821	-.16491
2.000	-.069	.41601	-.06076	.38852	.03769	-.14908	-.15413	-.15321	-.22509	-.17124	-.16618
2.000	2.028	.41916	-.05747	.39120	.03533	-.15541	-.16017	-.15858	-.21211	-.16332	-.16396
2.000	4.105	.41931	-.05267	.39480	.03007	-.16780	-.17070	-.17095	-.20107	-.15261	-.16492
2.000	6.198	.41394	-.05710	.39426	.02978	-.17757	-.18113	-.18198	-.18858	-.14339	-.17159
2.000	8.299	.41024	-.06195	.39532	.03142	-.18951	-.19449	-.19559	-.17762	-.13011	-.17574
	GRADIENT	-.00075	-.00072	-.00026	-.00006	-.00001	.00100	.00039	.00510	.00496	.00090

UPWT 1099/1119 (IA-44) CONFIGURATION 02/T4/S7 (XH8004) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

ALPHA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPOBRK = .000 BOFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CLM	CFORB	CFOMS	CFTC	CFSRB	CFSRBN	CFET
2.860	-10.398	-.24463	-.10725	.33173	.06048	-.13007	-.12557	-.12591	-.14518	-.13408	.07765
2.860	-8.260	-.24542	-.10383	.32720	.06185	-.12722	-.12312	-.12305	-.14641	-.13491	.09559
2.860	-6.213	-.24650	-.10109	.32454	.06208	-.12191	-.12395	-.12020	-.14642	-.13369	.12703
2.860	-4.093	-.25205	-.10302	.32023	.06540	-.12068	-.12353	-.11814	-.14560	-.13204	.11400
2.860	-2.039	-.25595	-.10444	.31809	.06662	-.12151	-.12437	-.11775	-.14683	-.13206	.10449
2.860	-.020	-.25156	-.10213	.31636	.06676	-.11621	-.11783	-.11449	-.14399	-.12429	.09176
2.860	1.999	-.25557	-.10411	.31555	.06674	-.12028	-.12059	-.11857	-.14113	-.11937	.08527
2.860	4.099	-.24314	-.09767	.31717	.06159	-.11821	-.11697	-.11813	-.13664	-.10992	.08706
2.860	6.196	-.24263	-.09594	.31917	.05953	-.12225	-.12019	-.12176	-.12928	-.09838	.08689
2.860	8.219	-.23440	-.09027	.32129	.05754	-.12433	-.12229	-.12393	-.12443	-.09516	.07196
2.860	10.447	-.23563	-.09111	.32460	.05796	-.12925	-.12694	-.12713	-.12443	-.09517	.08872
	GRADIENT	.00090	.00054	-.00042	-.00037	.00030	.00082	-.00004	.00116	.00279	-.00357

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CLM	CFORB	CFOMS	CFTC	CFSRB	CFSRBN	CFET
3.900	-4.096	-.31382	-.11632	.26417	.07255	-.06598	-.06435	-.06371	-.07761	-.06539	.13386
3.900	-2.043	-.31220	-.11206	.26286	.07148	-.06643	-.06326	-.06208	-.07653	-.06421	.12636
3.900	-.022	-.31382	-.11596	.26181	.07494	-.06535	-.06326	-.06208	-.07814	-.06475	.10428
3.900	1.983	-.31659	-.11513	.25051	.07383	-.06699	-.06435	-.06371	-.07922	-.06358	.10853
3.900	4.065	-.30722	-.10337	.26383	.06839	-.06481	-.06272	-.06190	-.07600	-.05935	.09295
3.900	6.125	-.31041	-.10933	.26543	.06994	-.06859	-.06543	-.06478	-.07797	-.05774	.11985
3.900	8.166	-.30466	-.10047	.27032	.06620	-.06482	-.06274	-.06209	-.07225	-.05236	.11551
	GRADIENT	.00044	.00113	-.00015	-.00030	.00019	.00011	.00019	.00003	.00061	-.00499

RUN NO. 0/ 0 RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CLM	CFORB	CFOMS	CFTC	CFSRB	CFSRBN	CFET
4.600	-4.058	.26399	-.09596	.24338	.06460	-.04329	-.03717	-.03703	-.05276	-.03790	.15572
4.600	-2.015	.25323	-.09207	.24085	.06235	-.04260	-.03648	-.03565	-.05207	-.03700	.13289
4.600	-.003	.26005	-.09809	.23987	.06739	-.04122	-.03579	-.03566	-.05276	-.03791	.13351
4.600	1.992	.25791	-.09679	.23983	.06599	-.04328	-.03854	-.03791	-.05481	-.03996	.13093
4.600	4.045	.26062	-.09088	.24313	.06403	-.04327	-.03783	-.03700	-.05481	-.03766	.10052
4.600	6.095	.26124	-.08939	.24691	.06333	-.04328	-.03954	-.03771	-.05482	-.03699	.12741
4.600	8.108	.25279	-.08584	.24964	.06051	-.04328	-.03923	-.03779	-.05344	-.03490	.08523
	GRADIENT	-.00060	.00027	-.00007	.00012	-.00003	-.00017	-.00006	-.00034	-.00017	-.00557

UPWT 1099/1119 (IA-44) CONFIGURATION 02/T4/S7 (XH8005) (05 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPOIL = .000 BOFLAP = .000

RUN NO. 0/ 0 RNYL = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CPORB	CPOMS	CPTC	CPSRB	CPSRBN	CPET
1.600	-10.665	4.12937	-.80556	.46114	.31553	-.23257	-.25158	-.23647	-.31509	-.26959	-.29695
1.600	-8.566	4.12417	-.63328	.46288	.24300	-.23510	-.25352	-.24056	-.32982	-.27815	-.29311
1.600	-6.458	4.11963	-.47293	.45709	.19103	-.23269	-.25671	-.23596	-.33270	-.27979	-.28284
1.600	-4.674	4.11741	-.35159	.45174	.13348	-.23072	-.25318	-.23182	-.32168	-.26907	-.27597
1.600	-2.249	4.11254	-.18390	.44909	.06879	-.25102	-.25445	-.24365	-.30005	-.25088	-.25331
1.600	-1.183	4.11178	-.11748	.44758	.04355	-.25290	-.26069	-.24397	-.29974	-.24369	-.26268
1.600	-.131	4.11361	-.04676	.44553	.01712	-.25359	-.25446	-.24309	-.29822	-.24249	-.26085
1.600	.914	4.10977	.01628	.44405	-.00721	-.24951	-.24913	-.24621	-.29854	-.24561	-.25834
1.600	1.972	4.11152	.08492	.44486	-.03371	-.24859	-.24850	-.24590	-.30135	-.24718	-.25866
1.600	4.069	4.11195	.20483	.44155	-.08062	-.25019	-.25012	-.24689	-.30484	-.24097	-.25182
1.600	6.149	4.10887	.32152	.43648	-.12663	-.22384	-.22431	-.22557	-.31072	-.25216	-.26020
1.600	8.258	4.11030	.44257	.43234	-.17042	-.22632	-.22648	-.22898	-.31133	-.25495	-.24889
1.600	10.449	4.11264	.56997	.42980	-.20935	-.22916	-.22905	-.23182	-.31323	-.25842	-.24891
	GRADIENT	-.00058	.06372	-.00116	-.02446	-.00150	.00118	-.00150	.00153	.00265	.00244

RUN NO. 0/ 0 RNYL = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CPORB	CPOMS	CPTC	CPSRB	CPSRBN	CPET
2.000	-10.030	4.11997	-.71009	.41728	.28326	-.15012	-.16121	-.15361	-.21787	-.17639	-.19511
2.000	-7.955	4.11712	-.56259	.41060	.22004	-.15295	-.16627	-.15613	-.21121	-.17226	-.18527
2.000	-5.856	4.11149	-.41779	.40462	.16343	-.15193	-.16429	-.15479	-.19975	-.16300	-.18204
2.000	-4.085	4.10997	-.30469	.39995	.12239	-.15189	-.16199	-.15539	-.19561	-.15315	-.17821
2.000	-1.677	4.10605	-.17074	.39671	.07270	-.15507	-.16454	-.15924	-.19186	-.14815	-.17509
2.000	-.624	4.10702	-.11048	.39645	.05109	-.16109	-.16909	-.16109	-.19594	-.14778	-.16997
2.000	.419	4.10531	-.05362	.39490	.03065	-.16713	-.17055	-.16997	-.20008	-.15256	-.16334
2.000	1.462	4.10600	.00335	.39350	.01013	-.17063	-.17323	-.17569	-.20232	-.15386	-.16147
2.000	2.507	4.10378	.06119	.39204	-.01171	-.17374	-.17603	-.17911	-.20354	-.15222	-.15919
2.000	4.601	4.10345	.17931	.38987	-.05027	-.17790	-.18020	-.18420	-.20294	-.14655	-.16019
2.000	6.691	4.10247	.29588	.38809	-.10701	-.17094	-.17299	-.17567	-.20453	-.14878	-.15384
2.000	8.792	4.10164	.41829	.38239	-.15085	-.15952	-.16207	-.16269	-.20070	-.14875	-.15159
2.000	10.975	4.10410	.54588	.37595	-.19243	-.15101	-.15353	-.15387	-.20325	-.15606	-.15416
	GRADIENT	-.00079	.05599	-.00116	-.02080	-.00329	-.00230	-.00373	-.00129	.00028	.00249

UPWT 1089/1119 (TA-44) CONFIGURATION 02/T4/57 (XH8005) (06 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = .000

ORIGINAL PAGE IS OF POOR QUALITY

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CFORB	CFONS	CFTC	CFSRB	CFSRBN	CFET
2.860	-10.614	4.12421	-.62813	.35619	.24492	-.11864	-.11739	-.11569	-.14275	-.11936	.17737
2.860	-8.540	4.11995	-.51877	.34871	.20283	-.12029	-.11987	-.11694	-.14358	-.12592	.13554
2.860	-6.467	4.11483	-.40577	.34019	.16221	-.12153	-.12193	-.11777	-.14074	-.12266	.11053
2.860	-4.402	4.12764	-.29688	.33050	.12608	-.12030	-.12111	-.11817	-.13789	-.11202	.10238
2.860	-2.317	4.12125	-.19425	.32119	.09231	-.11926	-.11865	-.11777	-.13667	-.10916	.09193
2.860	-1.291	4.11967	-.14566	.31804	.07652	-.11786	-.11744	-.11737	-.13529	-.10835	.08760
2.860	-.242	4.11829	-.09492	.31549	.06030	-.11704	-.11538	-.11654	-.13587	-.10834	.09099
2.860	.794	4.11666	-.04945	.31221	.04618	-.11867	-.11702	-.11958	-.13667	-.10916	.07825
2.860	1.809	4.11618	-.01135	.30943	.03405	-.12115	-.11909	-.12197	-.13669	-.11001	.07934
2.860	3.881	4.11130	.08459	.30670	-.00223	-.12072	-.11866	-.12195	-.13302	-.10599	.06186
2.860	5.944	4.10729	.18263	.30329	-.03966	-.11908	-.11702	-.11900	-.13180	-.10394	.04347
2.860	8.009	4.10495	.28448	.29860	-.07920	-.11745	-.11497	-.11695	-.13140	-.10221	.04102
2.860	10.092	4.10195	.40547	.29429	-.12744	-.11215	-.10926	-.11042	-.12855	-.10140	.02504
	GRADIENT	-.00178	.04577	-.00287	-.01519	-.00019	.00022	-.00044	.00044	.00051	-.00406

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CFORB	CFONS	CFTC	CFSRB	CFSRBN	CFET
3.900	-10.524	4.08045	-.50003	.31500	.19196	-.06321	-.06112	-.05931	-.07707	-.05883	.23193
3.900	-8.481	4.07848	-.42357	.30443	.16920	-.06267	-.06112	-.05986	-.07868	-.06099	.18931
3.900	-6.429	4.07573	-.35031	.29082	.14844	-.06375	-.06166	-.06102	-.07976	-.06153	.18227
3.900	-4.390	4.07136	-.25949	.28026	.11694	-.06429	-.06165	-.06047	-.07761	-.05991	.14891
3.900	-2.352	4.06928	-.18775	.26985	.09487	-.06644	-.06381	-.06263	-.07868	-.06098	.10582
3.900	-1.319	4.06595	-.14242	.26703	.08060	-.06493	-.06166	-.06155	-.07600	-.05937	.09448
3.900	-.310	4.06509	-.10557	.26349	.06979	-.06492	-.06219	-.06209	-.07546	-.05936	.09075
3.900	.719	4.06361	-.06909	.25969	.05824	-.06906	-.06435	-.06425	-.07761	-.06099	.09071
3.900	1.741	4.06226	-.03177	.25629	.04625	-.06751	-.06435	-.06425	-.07654	-.06044	.07187
3.900	3.779	4.05999	.04747	.25116	.01796	-.06906	-.06381	-.06371	-.07600	-.06045	.05137
3.900	5.819	4.05825	.12659	.24689	-.01071	-.06805	-.06435	-.06479	-.07707	-.06206	.04761
3.900	7.859	4.05633	.21230	.24292	-.04120	-.06590	-.06274	-.06317	-.07547	-.05983	.03897
3.900	9.916	4.05447	.30141	.23884	-.07293	-.06375	-.06057	-.06155	-.07332	-.05667	.03198
	GRADIENT	-.00140	.03760	-.00352	-.01202	-.00049	-.00029	-.00044	.00021	-.00006	-.01977

UPWT 1089/1119 (IA-44) CONFIGURATION 32/T4/57 (XH8005) (06 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA =	4.000	ELV-LO =	.000
ELV-LI =	.000	ELV-RI =	.000
ELV-RO =	.000	RUDDER =	.000
SPDBRK =	.000	BDFLAP =	.000

RUN NO. 9/ 0 RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLN	CFORB	CFOMS	CFTC	CFSRB	CFSRBN	CFET
4.600	-9.892	4.05693	-.46328	.30298	.17579	-.03914	-.03449	-.03357	-.05620	-.03353	.24439
4.600	-7.849	4.05459	-.38762	.29043	.15545	-.03944	-.03300	-.03217	-.05482	-.03352	.20633
4.600	-5.822	4.05196	-.31217	.27575	.13251	-.03778	-.03372	-.03290	-.05483	-.03286	.18601
4.600	-3.795	4.05030	-.24475	.26268	.11165	-.04119	-.03714	-.03631	-.05755	-.03627	.16494
4.600	-1.753	4.04781	-.16655	.25142	.08753	-.04052	-.03577	-.03564	-.05619	-.03491	.12810
4.600	-.748	4.04613	-.12890	.24713	.07528	-.04258	-.03714	-.03700	-.05697	-.03765	.11991
4.600	.278	4.04385	-.09461	.24419	.06195	-.04054	-.03511	-.03497	-.05345	-.03494	.10025
4.600	1.328	4.04325	-.05101	.23928	.05223	-.04328	-.03715	-.03779	-.05688	-.03767	.05961
4.600	2.307	4.04175	-.01334	.23505	.03981	-.04192	-.03649	-.03535	-.05345	-.03701	.05672
4.600	4.329	4.03995	.05598	.22855	.01692	-.04261	-.03718	-.03773	-.05345	-.03701	.04773
4.600	6.359	4.03807	.12746	.22239	-.00667	-.04192	-.03580	-.03636	-.05139	-.03632	.03870
4.600	8.400	4.03597	.20992	.21733	-.03532	-.04123	-.03580	-.03636	-.05139	-.03632	.03524
4.600	10.426	4.03483	.28459	.21121	-.05324	-.04191	-.03648	-.03772	-.05207	-.03630	.02908
	GRADIENT	-.00128	.03718	-.00410	-.01165	-.00022	-.00084	-.00018	.00051	-.00017	-.01533

UPWT 1088/1119 (IA-44) CONFIGURATION 02/T4/S7 (XH8006) (06 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA =	-4.000	ELV-LO =	.000
ELV-LI =	.000	ELV-RI =	.000
ELV-RO =	.000	RUDDER =	.000
SPDBRK =	.000	DSPLAP =	.000

RUN NO. 0/ 0 RNVL = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CFORB	CFOMS	CFTC	CFSRB	CFSRBN	CFET
1.600	-10.661	-4.24072	-.81284	.46892	.32131	-.25505	-.27170	-.26243	-.37992	-.32324	-.30251
1.600	-8.585	-4.22847	-.63840	.46997	.24801	-.25329	-.26767	-.25998	-.37056	-.31984	-.30381
1.600	-6.455	-4.22306	-.47253	.46384	.18289	-.24923	-.25325	-.25839	-.35990	-.30535	-.29439
1.600	-4.661	-4.22158	-.34397	.45872	.13272	-.24889	-.25990	-.25714	-.35520	-.30009	-.28781
1.600	-2.239	-4.21586	-.18429	.45335	.07039	-.24383	-.25315	-.25022	-.36707	-.30412	-.28337
1.600	-1.188	-4.21474	-.11338	.45115	.04305	-.24195	-.25096	-.24741	-.37489	-.30537	-.28212
1.600	-.133	-4.21340	-.04736	.44965	.01925	-.24263	-.25007	-.24590	-.37712	-.30667	-.27715
1.600	.924	-4.21251	.01839	.44879	-.00539	-.24449	-.24973	-.24337	-.37742	-.30758	-.27148
1.600	1.974	-4.21151	.08910	.45002	-.03311	-.24326	-.24755	-.24184	-.37805	-.30657	-.26837
1.600	4.068	-4.20947	.20773	.44495	-.07993	-.24104	-.24408	-.24337	-.37719	-.30758	-.26396
1.600	6.163	-4.21193	.32292	.44171	-.12484	-.24229	-.24251	-.24119	-.37428	-.31197	-.26271
1.600	8.264	-4.21145	.44243	.43897	-.16765	-.24761	-.24579	-.24619	-.38023	-.30946	-.25142
1.600	10.451	-4.21716	.57691	.43670	-.20931	-.24955	-.25035	-.24591	-.38117	-.30602	-.25487
	GRADIENT	.00132	.06352	-.00142	-.02435	.00057	.00167	.00169	-.00251	-.00083	.00298

RUN NO. 0/ 0 RNVL = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CFORB	CFOMS	CFTC	CFSRB	CFSRBN	CFET
2.000	-10.027	-4.21883	-.70248	.42162	.28268	-.16077	-.16550	-.16615	-.24251	-.21304	-.20803
2.000	-7.943	-4.21128	-.55176	.41505	.22070	-.16014	-.17063	-.16836	-.23966	-.20924	-.20295
2.000	-5.845	-4.20521	-.41224	.40921	.16558	-.16009	-.17440	-.17116	-.23519	-.20255	-.19558
2.000	-4.056	-4.19860	-.29946	.40322	.12252	-.16201	-.17727	-.17455	-.23045	-.19053	-.19183
2.000	-1.671	-4.19352	-.16072	.39947	.07221	-.16390	-.17664	-.17276	-.23995	-.19401	-.18073
2.000	-.621	-4.19366	-.10169	.39907	.05091	-.15428	-.17637	-.17250	-.24347	-.19595	-.17729
2.000	.426	-4.19120	-.04561	.39727	.03092	-.15485	-.17695	-.17276	-.24376	-.19623	-.17312
2.000	1.472	-4.19095	.01117	.39544	.00932	-.15741	-.17889	-.17468	-.24441	-.19947	-.16966
2.000	2.519	-4.18788	.07246	.39275	-.01405	-.15545	-.17539	-.17404	-.23743	-.19587	-.16552
2.000	4.605	-4.18513	.18335	.39015	-.05971	-.16993	-.17443	-.17552	-.23648	-.19878	-.15171
2.000	6.704	-4.18567	.30885	.38915	-.11006	-.16520	-.16395	-.16773	-.23522	-.19182	-.15579
2.000	8.801	-4.18295	.42916	.38483	-.15243	-.16592	-.16427	-.16772	-.22983	-.18135	-.15929
2.000	10.991	-4.18421	.55967	.38252	-.19465	-.16549	-.16594	-.16644	-.22823	-.17912	-.15060
	GRADIENT	.00142	.05567	-.00151	-.02090	-.00088	.00025	-.00018	-.00049	-.00092	.00353

ORIGINAL PAGE IS OF POOR QUALITY

UFWT 1088/1119 (IA-44) CONFIGURATION 02/T4/S7 (XH8006) (06 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPDBRK = .000 BOFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CPORB	CPOMS	CPTC	CPSRB	CPSRBN	CPET
2.860	-10.617	-4.13364	-.63736	.35364	.24945	-.11741	-.11289	-.11487	-.14560	-.12468	.25100
2.860	-8.545	-4.13473	-.53194	.34752	.21031	-.11905	-.11494	-.11651	-.14967	-.12978	.21855
2.860	-6.467	-4.13478	-.41724	.33931	.16985	-.11827	-.11652	-.11596	-.15131	-.12952	.22097
2.860	-4.395	-4.13296	-.30308	.33083	.12916	-.11959	-.11854	-.11857	-.15130	-.13042	.18422
2.860	-2.317	-4.12925	-.19805	.32274	.09449	-.12112	-.12152	-.11940	-.15090	-.13207	.15756
2.860	-1.285	-4.12880	-.15469	.31952	.08130	-.12150	-.12313	-.11897	-.15007	-.13246	.15525
2.860	-.251	-4.12831	-.10871	.31631	.06718	-.12071	-.12397	-.11899	-.14765	-.13156	.13427
2.860	.777	-4.12874	-.06541	.31315	.05365	-.12149	-.12558	-.11937	-.14692	-.13122	.13404
2.860	1.811	-4.12711	-.02574	.30911	.04036	-.12307	-.12675	-.12094	-.14597	-.13158	.13278
2.860	3.871	-4.12756	.05743	.30595	.00515	-.12368	-.12535	-.12054	-.14394	-.12995	.10446
2.860	5.930	-4.12678	.15778	.30447	-.03452	-.12391	-.12677	-.12178	-.14150	-.12709	.07287
2.860	7.997	-4.12801	.27163	.30196	-.07519	-.12309	-.12390	-.11973	-.14069	-.12463	.04299
2.860	10.083	-4.13013	.39124	.29813	-.12207	-.12158	-.12257	-.11809	-.14069	-.12453	.03483
	GRADIENT	.00060	.04420	-.00307	-.01454	-.00039	-.00101	-.00026	.00099	.00039	-.00999

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CPORB	CPOMS	CPTC	CPSRB	CPSRBN	CPET
3.900	-10.525	-4.10132	-.51949	.31272	.20033	-.06105	-.05625	-.05561	-.08189	-.06098	.27080
3.900	-8.475	-4.10193	-.43971	.30382	.17616	-.06268	-.05627	-.05832	-.08350	-.06153	.22918
3.900	-6.441	-4.10139	-.35679	.29256	.15065	-.06105	-.05518	-.05723	-.08136	-.06098	.17535
3.900	-4.394	-4.09964	-.27948	.28048	.12507	-.06428	-.05003	-.06155	-.08457	-.06520	.20180
3.900	-2.344	-4.09915	-.19090	.27224	.09522	-.05374	-.05895	-.05993	-.08243	-.06314	.15650
3.900	-1.331	-4.09730	-.15924	.26697	.08604	-.05590	-.06165	-.05262	-.08245	-.06530	.14259
3.900	-.307	-4.09556	-.11790	.26451	.07367	-.05543	-.06218	-.05262	-.08135	-.06529	.13285
3.900	.713	-4.09546	-.07670	.26175	.06070	-.05542	-.06271	-.06207	-.07813	-.06474	.11673
3.900	1.728	-4.09427	-.03980	.25900	.04783	-.05751	-.06381	-.06317	-.07814	-.06584	.11878
3.900	3.779	-4.09362	.03848	.25236	.02013	-.05751	-.06435	-.06424	-.07707	-.06359	.14521
3.900	5.818	-4.09377	.12311	.24940	-.01117	-.05752	-.06381	-.06371	-.07386	-.06205	.07402
3.900	7.861	-4.09340	.20795	.24413	-.04209	-.05543	-.06326	-.06316	-.07171	-.05989	.04873
3.900	9.909	-4.09340	.29596	.24188	-.07281	-.05597	-.06380	-.06316	-.07278	-.06151	.03957
	GRADIENT	.00083	.03869	-.00336	-.01259	-.00049	-.00065	-.00039	.00100	.00004	-.00764

ORIGINAL PAGE IS
OF POOR QUALITY

UPWT 1088/1119 (IA-44) CONFIGURATION 02/T4/S7 (XH8006) (06 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = .000

RUN,NO. 9/ 0 RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CPSRB	CPOMS	CPTC	CPSRB	CPSRBN	CPET
4.600	-9.889	-4.06304	-.47025	.30239	.17909	-.04953	-.03519	-.03496	-.05551	-.03493	.28295
4.600	-7.957	-4.06205	-.40238	.29026	.16008	-.03914	-.03301	-.03287	-.05688	-.03492	.21178
4.600	-5.919	-4.06063	-.33278	.27638	.14019	-.04051	-.03438	-.03493	-.05894	-.03767	.18079
4.600	-3.796	-4.06096	-.24571	.26408	.11068	-.03845	-.03232	-.03357	-.05620	-.03561	.19102
4.600	-1.761	-4.05999	-.16694	.25209	.08494	-.03983	-.03370	-.03426	-.05588	-.03700	.14168
4.600	-.729	-4.05943	-.12839	.24814	.07371	-.03993	-.03301	-.03426	-.05551	-.03700	.15019
4.600	.276	-4.05776	-.10013	.24226	.06584	-.04258	-.03575	-.03700	-.05756	-.03835	.15039
4.600	1.283	-4.05720	-.06143	.23970	.05446	-.04327	-.03645	-.03700	-.05597	-.03835	.12753
4.600	2.303	-4.05710	-.01675	.23712	.03926	-.04122	-.03509	-.03634	-.05413	-.03700	.13219
4.600	4.335	-4.05581	.04979	.22921	.01687	-.04329	-.03648	-.03772	-.05345	-.03700	.11559
4.600	6.357	-4.05476	.11797	.22333	-.00584	-.04534	-.03921	-.03907	-.05205	-.03835	.05622
4.600	8.383	-4.05400	.19804	.21763	-.03421	-.04467	-.03924	-.03979	-.05138	-.03837	.04226
4.600	10.422	-4.05371	.27829	.21597	-.06274	-.04457	-.03924	-.03841	-.05069	-.03907	.03949
	GRADIENT	.00067	.03631	-.00417	-.01139	-.00060	-.00054	-.00055	.00035	-.00016	-.00806

DFHT 1098/1119 (TA-44) CONFIGURATION 02/T2/S7 (XH8007) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1293.3000 INCHES YMRP = .0000 IN. YT
BREF = 1293.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPDBRK = .000 BSFLAP = .000

RUN NO. 0/ 0 RNVL = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CFORB	CFOMS	CFTC	CFSRB	CFSRBN	CFBT
1.600	-10.537	-.05202	-.78224	.46052	.39710	-.20948	-.21903	-.21747	-.31774	-.26602	-.25495
1.600	-8.548	-.05103	-.61904	.45911	.23956	-.21109	-.22151	-.22097	-.31294	-.25988	-.24847
1.600	-6.441	-.05071	-.46066	.45214	.17784	-.20472	-.21675	-.21551	-.30696	-.24646	-.24415
1.600	-4.667	-.04834	-.33527	.44791	.12995	-.19809	-.20729	-.21047	-.30019	-.23779	-.24041
1.600	-2.234	-.04503	-.17243	.44521	.05846	-.19466	-.20006	-.20140	-.29469	-.23673	-.23567
1.600	-1.182	-.04570	-.10822	.44372	.04508	-.19553	-.20100	-.20109	-.29609	-.23761	-.23310
1.600	-.124	-.04681	-.03490	.44444	.01747	-.19810	-.20100	-.20140	-.29765	-.23854	-.23091
1.600	.927	-.04541	.02463	.44428	-.00441	-.19944	-.20078	-.20149	-.30085	-.24019	-.23507
1.600	1.974	-.04546	.08408	.44232	-.02707	-.20091	-.19975	-.20077	-.30109	-.24011	-.23905
1.600	4.067	-.04308	.20235	.43841	-.07589	-.18933	-.18900	-.18914	-.31541	-.24315	-.22259
1.600	6.158	-.04062	.31791	.43591	-.12000	-.17829	-.17768	-.18037	-.32258	-.25470	-.22328
1.600	8.269	-.04149	.43954	.43363	-.16372	-.17756	-.17821	-.18308	-.32033	-.24930	-.21975
1.600	10.453	-.03800	.56850	.43060	-.20500	-.17878	-.18037	-.19336	-.32000	-.24895	-.21377
	GRADIENT	.00049	.06159	-.00095	-.02342	.00038	.00163	.00190	-.00168	-.00067	.00137

RUN NO. 0/ 0 RNVL = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CFORB	CFOMS	CFTC	CFSRB	CFSRBN	CFBT
2.000	-10.030	-.05518	-.71063	.41637	.28093	-.14906	-.15476	-.15348	-.23744	-.20132	-.19186
2.000	-7.952	-.05521	-.55937	.40987	.21848	-.14809	-.15569	-.15693	-.22686	-.19332	-.18386
2.000	-5.847	-.05173	-.41312	.40231	.15991	-.14992	-.15842	-.15307	-.22013	-.17897	-.18291
2.000	-4.066	-.04997	-.30149	.39812	.11839	-.14743	-.15632	-.15503	-.21524	-.17436	-.18010
2.000	-1.670	-.04955	-.16321	.39467	.05973	-.14753	-.15325	-.15387	-.22239	-.17417	-.17293
2.000	-.629	-.04874	-.10759	.39174	.03078	-.14659	-.15136	-.15294	-.22462	-.17323	-.16754
2.000	.422	-.04953	-.04574	.39025	.02956	-.14754	-.15167	-.15167	-.22684	-.17323	-.16532
2.000	1.466	-.04731	.00654	.38867	.01055	-.15014	-.15301	-.15309	-.22815	-.17709	-.16411
2.000	2.510	-.04812	.05829	.38654	-.00919	-.14979	-.15179	-.15233	-.22845	-.17865	-.16154
2.000	4.595	-.04595	.17265	.38585	-.05703	-.15091	-.14985	-.15208	-.22468	-.18188	-.16572
2.000	6.692	-.04450	.30179	.38695	-.11085	-.15425	-.15332	-.15490	-.22149	-.17773	-.16198
2.000	8.793	-.04246	.42416	.38419	-.15523	-.15364	-.15080	-.15301	-.22055	-.17552	-.15941
2.000	10.988	-.04127	.55370	.38069	-.19458	-.14824	-.14474	-.14762	-.22434	-.17773	-.15581
	GRADIENT	.00044	.05444	-.00152	-.01994	-.00047	.00051	.00033	-.00141	-.00094	.00188

ORIGINAL PAGE IS
OF POOR QUALITY

UPWT 1088/1119 (IA-44) CONFIGURATION 02/T4/S6 (XH8008) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPOIR = .000 SOFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CFORB	CFOMS	CFTC	CFSRB	CFSRBN	CFET
1.600	-10.647	-.05259	-.78822	.46271	.31110	-.20341	-.21331	-.21014	-.31822	-.26715	-.24569
1.600	-8.555	-.05121	-.62012	.45970	.23953	-.20694	-.21745	-.21529	-.31620	-.25430	-.24137
1.600	-6.450	-.04869	-.45984	.45354	.17697	-.19985	-.21157	-.20904	-.31045	-.25179	-.23608
1.600	-4.631	-.04873	-.33470	.44812	.12957	-.19324	-.20128	-.20565	-.30142	-.23839	-.23111
1.600	-2.236	-.04732	-.17535	.44529	.06872	-.19048	-.19528	-.19625	-.30021	-.23805	-.22733
1.600	-1.184	-.04709	-.10723	.44433	.04364	-.19262	-.19556	-.19559	-.30082	-.23740	-.22386
1.600	-.125	-.04405	-.04198	.44355	.01892	-.19375	-.19505	-.19572	-.30189	-.23879	-.22193
1.600	.922	-.04600	.02477	.44298	-.00655	-.19447	-.19480	-.19589	-.30334	-.24049	-.22502
1.600	1.979	-.04339	.09675	.44150	-.03046	-.19500	-.19356	-.19392	-.30429	-.24097	-.22901
1.600	4.069	-.04162	.23732	.43747	-.08024	-.19054	-.17967	-.17978	-.31628	-.24315	-.21427
1.600	6.163	-.04029	.32538	.43579	-.12538	-.17076	-.17092	-.17252	-.32479	-.25096	-.20780
1.600	8.257	-.03973	.44017	.43396	-.16598	-.17149	-.17281	-.17419	-.32265	-.24602	-.20600
1.600	10.452	-.03833	.56899	.43232	-.20525	-.17485	-.17710	-.17535	-.32280	-.24997	-.20670
	GRADIENT	.00082	.06235	-.00113	-.02401	.00085	.00199	.00238	-.00152	-.00051	.00139

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CFORB	CFOMS	CFTC	CFSRB	CFSRBN	CFET
2.000	-10.039	-.05305	-.71284	.41604	.28032	-.14442	-.15018	-.14536	-.23375	-.19827	-.16249
2.000	-7.956	-.05332	-.56464	.40893	.21810	-.14397	-.15152	-.15176	-.22525	-.19168	-.17590
2.000	-5.855	-.05195	-.41681	.40257	.15834	-.14475	-.15336	-.15327	-.21876	-.17386	-.17390
2.000	-4.075	-.04819	-.30458	.39799	.11633	-.14335	-.15131	-.14966	-.21518	-.16999	-.17156
2.000	-1.672	-.04789	-.16753	.39497	.06810	-.14491	-.14971	-.14870	-.22277	-.17214	-.16553
2.000	-.630	-.04732	-.11107	.39289	.04839	-.14397	-.14793	-.14840	-.22638	-.17346	-.16145
2.000	.415	-.04631	-.05229	.39139	.02722	-.14356	-.14742	-.14672	-.22791	-.17528	-.15859
2.000	1.466	-.04592	.00733	.38957	.00441	-.14568	-.14764	-.14726	-.22678	-.17990	-.15776
2.000	2.509	-.04580	.06365	.38691	-.01734	-.14646	-.14778	-.14772	-.22655	-.18350	-.15504
2.000	4.597	-.04410	.18111	.38583	-.05690	-.14549	-.14427	-.14612	-.22654	-.18318	-.15756
2.000	6.695	-.04323	.30681	.38539	-.11790	-.14866	-.14554	-.14902	-.22678	-.17979	-.15346
2.000	8.791	-.04229	.42909	.38487	-.15159	-.14801	-.14521	-.14705	-.22685	-.17841	-.15057
2.000	10.978	-.03994	.55717	.38051	-.19944	-.14025	-.13616	-.13931	-.23010	-.18075	-.15230
	GRADIENT	.00048	.05590	-.00151	-.02097	-.00030	.00071	.00038	-.00121	-.00190	.00180

UPWT 1088/1119 (IA-44) CONFIGURATION 02/T4/S3 (XH8009) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRF = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRF = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRF = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CPORB	CPOMS	CPTC	CPSRB	CPSRBN	CPET
1.600	-10.650	-.05463	-.78656	.46275	.30967	-.20421	-.21377	-.21155	-.32855	-.27943	-.25149
1.600	-8.551	-.05178	-.61102	.46008	.23725	-.20487	-.21537	-.21283	-.31981	-.27257	-.24682
1.600	-6.434	-.04916	-.45576	.45469	.17710	-.19946	-.21089	-.20869	-.31349	-.26279	-.24110
1.600	-4.655	-.04752	-.33589	.45011	.13205	-.19384	-.20242	-.20431	-.31130	-.25184	-.23797
1.600	-2.229	-.04699	-.17234	.44655	.06900	-.18912	-.19392	-.19367	-.30590	-.24525	-.23356
1.600	-1.177	-.04574	-.10531	.44397	.04400	-.19137	-.19430	-.19373	-.30631	-.24280	-.23142
1.600	-.123	-.04537	-.04034	.44262	.02003	-.19325	-.19524	-.19561	-.30538	-.24311	-.22996
1.600	.927	-.04387	.02444	.44244	-.00536	-.19334	-.19314	-.19414	-.30951	-.24413	-.23245
1.600	1.977	-.04348	.08406	.44100	-.02826	-.19497	-.19279	-.19380	-.31168	-.24598	-.23712
1.600	4.071	-.04184	.20759	.43751	-.07947	-.17988	-.17775	-.17913	-.32012	-.24880	-.22490
1.600	6.162	-.04272	.31980	.43414	-.12280	-.16828	-.16674	-.16942	-.32855	-.25815	-.22080
1.600	8.266	-.03842	.44223	.43281	-.16620	-.16617	-.16618	-.16949	-.32796	-.25258	-.21773
1.600	10.459	-.03842	.57433	.43214	-.20795	-.16970	-.17036	-.17146	-.32614	-.25610	-.21626
	GRADIENT	.00059	.06219	-.00139	-.02403	.00092	.00224	.00221	-.00192	.00024	.00099

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CPORB	CPOMS	CPTC	CPSRB	CPSRBN	CPET
2.000	-10.024	-.05519	-.70367	.41474	.27965	-.14236	-.14810	-.14585	-.23935	-.20417	-.19394
2.000	-7.955	-.05337	-.55534	.40669	.21796	-.14330	-.15063	-.15089	-.22730	-.19719	-.17599
2.000	-5.947	-.05151	-.40977	.40068	.15911	-.14296	-.15093	-.15087	-.22000	-.17562	-.17439
2.000	-4.076	-.04970	-.28408	.39767	.11965	-.14201	-.14966	-.14866	-.22665	-.17086	-.17502
2.000	-1.679	-.04873	-.16427	.39416	.06956	-.14258	-.14715	-.14711	-.22826	-.17595	-.16966
2.000	-.530	-.04849	-.10679	.39150	.04950	-.14209	-.14561	-.14684	-.23145	-.17664	-.16653
2.000	.422	-.04835	-.04529	.39059	.02628	-.14256	-.14616	-.14518	-.23458	-.18069	-.16392
2.000	1.465	-.04793	.00983	.38949	.00516	-.14550	-.14743	-.14576	-.23459	-.18513	-.16296
2.000	2.511	-.04704	.06604	.38652	-.01623	-.14743	-.14842	-.14806	-.23555	-.19118	-.16141
2.000	4.601	-.04491	.18145	.39440	-.06582	-.14616	-.14461	-.14616	-.23048	-.18901	-.15425
2.000	6.691	-.04410	.30737	.39496	-.11757	-.14779	-.14465	-.14748	-.22892	-.19351	-.15997
2.000	8.795	-.04068	.43131	.38465	-.16221	-.14779	-.14434	-.14521	-.23019	-.19456	-.15669
2.000	10.984	-.04020	.55721	.38242	-.19984	-.13951	-.13539	-.13826	-.23523	-.19864	-.15728
	GRADIENT	.00051	.05579	-.00153	-.02119	-.00095	.00036	.00019	-.00074	-.00238	.00141

UPWT 1988/1119 (IA-44) CONFIGURATION 00/T4/S2 (XH8010) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPOSRK = .000 BDFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CPORB	CPOMS	CPTC	CPSRB	CPSRBN	CPET
1.600	-10.650	-.05339	-.78202	.46452	.30704	-.20283	-.21300	-.21048	-.33144	-.28329	-.25288
1.600	-8.558	-.04954	-.61193	.46097	.23740	-.20454	-.21534	-.21343	-.32591	-.27716	-.24676
1.600	-6.437	-.04928	-.45347	.45519	.17516	-.19824	-.21058	-.20901	-.32087	-.26618	-.24233
1.600	-4.639	-.04660	-.32983	.45043	.12775	-.19377	-.20266	-.20549	-.31487	-.25391	-.23890
1.600	-2.232	-.04570	-.16924	.44757	.06753	-.18968	-.19480	-.19485	-.31485	-.24920	-.23502
1.600	-1.188	-.04534	-.10925	.44631	.04547	-.19031	-.19417	-.19329	-.31172	-.24638	-.23126
1.600	-.126	-.04508	-.04019	.44504	.02039	-.19249	-.19480	-.19485	-.31141	-.24701	-.23095
1.600	.929	-.04338	.02671	.44499	-.00540	-.19159	-.19169	-.19208	-.31497	-.24797	-.23286
1.600	1.994	-.04210	.09829	.44307	-.02910	-.19415	-.19279	-.19401	-.31741	-.25084	-.23823
1.600	4.074	-.04201	.20536	.43907	-.07771	-.18035	-.17822	-.17992	-.32456	-.25110	-.22754
1.600	6.162	-.04059	.32481	.43533	-.12498	-.15443	-.16391	-.16713	-.33237	-.25797	-.22034
1.600	8.267	-.03709	.44086	.43369	-.16638	-.16318	-.16381	-.16807	-.32987	-.25360	-.21690
1.600	10.460	-.03807	.57627	.43306	-.20945	-.16599	-.16795	-.17084	-.33017	-.25701	-.21468
	GRADIENT	.00060	.06154	-.00123	-.02349	.00095	.00230	.00232	-.00101	.00016	.00092

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CPORB	CPOMS	CPTC	CPSRB	CPSRBN	CPET
2.000	-10.058	-.05436	-.71378	.42112	.27327	-.14386	-.15023	-.14960	-.24038	-.20557	-.18727
2.000	-7.959	-.05330	-.55480	.41480	.20855	-.14438	-.15266	-.15291	-.23304	-.20233	-.17989
2.000	-5.856	-.05192	-.40879	.40815	.15185	-.14557	-.15449	-.15473	-.22888	-.18548	-.17792
2.000	-4.061	-.04889	-.29050	.40407	.10969	-.14291	-.15055	-.15018	-.23292	-.17999	-.17750
2.000	-1.660	-.04758	-.15244	.39969	.06083	-.14281	-.14824	-.14983	-.23476	-.18276	-.17266
2.000	-.622	-.04587	-.09670	.39694	.04103	-.14264	-.14742	-.14707	-.23897	-.18637	-.15993
2.000	.424	-.04708	-.03732	.39440	.01947	-.14359	-.14711	-.14675	-.23992	-.18927	-.16739
2.000	1.471	-.04507	.02001	.39229	-.00240	-.14572	-.14830	-.14762	-.24019	-.19329	-.16605
2.000	2.515	-.04503	.07398	.38972	-.02237	-.14725	-.14857	-.14884	-.23889	-.19641	-.16595
2.000	4.608	-.04409	.19351	.38779	-.07458	-.14538	-.14350	-.14696	-.23573	-.19135	-.16697
2.000	6.709	-.04228	.31959	.39780	-.12529	-.14924	-.14642	-.14924	-.23197	-.18918	-.16227
2.000	8.907	-.04195	.44364	.38641	-.16924	-.14541	-.14358	-.14546	-.23071	-.18824	-.15916
2.000	10.995	-.03933	.57096	.39371	-.20595	-.13879	-.13626	-.13817	-.23930	-.19045	-.16005
	GRADIENT	.00056	.05551	-.00203	-.02088	-.00048	.00059	.00028	-.00047	-.00177	.00137

UPWT 1088/1119 (IA-44) CONFIGURATION G2/T4/S2 (XH8010) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = .000

RUN NO. 9/ 9 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CPORB	CPOMS	CPTC	CPSRB	CPSRBN	CPET
2.860	-10.616	-.00295	-.61533	.35222	.23901	-.15015	-.14867	-.14962	-.17909	-.18000	-.16896
2.860	-8.536	-.00175	-.50260	.34308	.19802	-.15055	-.15057	-.14865	-.17834	-.17962	-.17084
2.860	-6.462	-.00046	-.39851	.33404	.15579	-.15316	-.15243	-.15051	-.17760	-.17550	-.16934
2.860	-4.384	-.00052	-.28056	.32635	.11819	-.15517	-.15519	-.15427	-.17797	-.17326	-.16785
2.860	-2.324	.00039	-.18948	.31941	.08389	-.15918	-.15959	-.15692	-.17871	-.17140	-.16499
2.860	-1.288	-.00021	-.14039	.31815	.07474	-.15916	-.16031	-.15653	-.17760	-.16990	-.16226
2.860	-.253	-.00036	-.09680	.31730	.06275	-.15977	-.15992	-.15613	-.17686	-.16952	-.15963
2.860	.769	.00049	-.05988	.31398	.05306	-.15878	-.16030	-.15726	-.17760	-.16953	-.16001
2.860	1.806	-.00010	-.01540	.31053	.03782	-.15691	-.15843	-.15598	-.17612	-.16878	-.15814
2.860	3.863	.00058	.07659	.30792	.00375	-.15879	-.15919	-.15764	-.17389	-.16579	-.15629
2.860	5.926	-.00030	.17540	.30413	-.03432	-.15517	-.15619	-.15455	-.17129	-.16168	-.15357
2.860	9.001	-.00081	.28196	.30161	-.07463	-.15729	-.15545	-.15652	-.16907	-.15832	-.14546
2.860	10.077	.00049	.39228	.29700	-.11591	-.15765	-.15395	-.15514	-.16796	-.15832	-.13874
	GRADIENT	.00009	.04284	-.00221	-.01343	-.00013	-.00022	-.00033	.00050	.00082	.00143

RUN NO. 9/ 9 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CPORB	CPOMS	CPTC	CPSRB	CPSRBN	CPET
4.600	-9.894	-.00161	-.46746	.29572	.17544	-.10861	-.10375	-.10491	-.11555	-.11861	-.10532
4.600	-7.872	-.00187	-.39629	.28349	.15516	-.11110	-.10374	-.10679	-.11678	-.12049	-.10631
4.600	-5.833	-.00172	-.32453	.27079	.13592	-.11172	-.10436	-.10803	-.11739	-.11984	-.10693
4.600	-3.808	-.00087	-.25163	.25847	.11323	-.11429	-.10629	-.10995	-.11932	-.12178	-.10949
4.600	-1.778	-.00132	-.17477	.24833	.08967	-.11365	-.10565	-.10934	-.11807	-.11990	-.10886
4.600	-.760	-.00065	-.13919	.24333	.07674	-.11488	-.10752	-.11120	-.11804	-.11987	-.11009
4.600	.257	-.00139	-.10148	.24029	.06704	-.11360	-.10687	-.10992	-.11677	-.11795	-.10891
4.600	1.269	-.00112	-.07251	.23603	.06052	-.11488	-.10978	-.11120	-.11679	-.11735	-.10946
4.600	2.288	-.00081	-.03425	.23305	.04792	-.11678	-.11005	-.11247	-.11681	-.11674	-.10947
4.600	4.311	-.00109	.03842	.22704	.02414	-.11487	-.10977	-.11119	-.11429	-.11419	-.10757
4.600	6.342	-.00093	.11657	.22018	-.00413	-.11423	-.10976	-.11117	-.11240	-.11355	-.10693
4.600	8.377	-.00103	.20047	.21514	-.03402	-.11423	-.10813	-.11055	-.11179	-.11355	-.10504
4.600	10.412	-.00054	.29420	.20922	-.06586	-.11297	-.10687	-.10929	-.11053	-.11355	-.10316
	GRADIENT	-.00001	.03534	-.00384	-.01065	-.00020	-.00047	-.00025	.00056	.00092	.00017

UPWT 1089/1119 (IA-44) CONFIGURATION 02/T4/S1 (XH8011) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CFORB	CFOMS	CFTC	CFSRB	CFSRBN	CFET
1.600	-10.670	-.05319	-.79915	.45510	.32054	-.19746	-.20794	-.20482	-.33375	-.29243	-.24789
1.600	-8.577	-.05169	-.63350	.44911	.25420	-.19362	-.20785	-.20535	-.32336	-.28578	-.24373
1.600	-6.463	-.04949	-.47431	.44335	.19084	-.19672	-.20050	-.20126	-.31541	-.27505	-.23866
1.600	-4.674	-.04733	-.35501	.43840	.14427	-.18151	-.19286	-.19542	-.30797	-.26512	-.23373
1.600	-2.263	-.04497	-.19684	.43409	.09491	-.17304	-.17941	-.18322	-.31389	-.25883	-.23379
1.600	-1.208	-.04396	-.13207	.43154	.06059	-.17148	-.17528	-.17979	-.31295	-.25414	-.23088
1.600	-.151	-.04539	-.06287	.43071	.03583	-.17273	-.17653	-.17823	-.30951	-.25039	-.22932
1.600	.993	-.04436	-.00534	.42992	.01390	-.17539	-.17858	-.17871	-.31275	-.25177	-.23103
1.600	1.948	-.04272	.06252	.42982	-.01302	-.17490	-.17516	-.17625	-.31308	-.25055	-.23356
1.600	4.035	-.04072	.19259	.42637	-.06373	-.16894	-.16865	-.17008	-.31875	-.25217	-.22173
1.600	5.138	-.04029	.30085	.42433	-.10988	-.16061	-.16061	-.16425	-.32506	-.26100	-.21712
1.600	9.225	-.03845	.41766	.42262	-.15067	-.16100	-.16162	-.16557	-.32460	-.25769	-.21347
1.600	10.425	-.03784	.55082	.42093	-.19209	-.16398	-.16518	-.16606	-.32577	-.25533	-.21272
	GRADIENT	.00067	.06169	-.00129	-.02359	.00097	.00224	.00259	-.00091	.00159	.00105

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CFORB	CFOMS	CFTC	CFSRB	CFSRBN	CFET
2.000	-10.071	-.05419	-.71449	.41456	.27707	-.13911	-.14767	-.14196	-.24692	-.21151	-.18468
2.000	-7.987	-.04909	-.55955	.40348	.21417	-.14034	-.15054	-.14288	-.24070	-.20672	-.17945
2.000	-5.871	-.04882	-.41289	.39771	.15761	-.14003	-.15051	-.14383	-.23249	-.18589	-.17649
2.000	-4.084	-.04583	-.30108	.39255	.11722	-.13948	-.14679	-.14549	-.22589	-.17936	-.17592
2.000	-1.687	-.04361	-.16585	.38811	.05962	-.13595	-.14029	-.14092	-.23594	-.18146	-.17358
2.000	-.645	-.04535	-.10967	.38511	.04986	-.13430	-.13843	-.13943	-.23737	-.18092	-.16890
2.000	.397	-.04402	-.05533	.38279	.03145	-.13598	-.13970	-.13905	-.23800	-.18821	-.16572
2.000	1.444	-.04295	.00212	.38071	.01007	-.13687	-.13973	-.13909	-.23739	-.19204	-.16289
2.000	2.488	-.04069	.05842	.37880	-.01195	-.13908	-.14037	-.14057	-.23575	-.19236	-.16226
2.000	4.581	-.04272	.17782	.37839	-.06256	-.13587	-.13491	-.13873	-.23134	-.18788	-.16253
2.000	6.672	-.04127	.30204	.37925	-.11191	-.14222	-.13874	-.14222	-.23388	-.18980	-.16001
2.000	8.792	-.03800	.42910	.37843	-.15526	-.13695	-.13304	-.13654	-.23706	-.19013	-.15685
2.000	10.967	-.03630	.55460	.37331	-.19213	-.12997	-.12640	-.12899	-.24025	-.18952	-.15624
	GRADIENT	.00046	.05489	-.00177	-.02043	.00013	.00104	.00061	-.00056	-.00149	.00193

UPWT 1089/1119 (TA-44) CONFIGURATION 02/T4/S1 (XH8011) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1293.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPDBRK = .000 BOFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CFORB	CFOMS	CFTC	CFSRB	CFSRBN	CFET
2.860	-10.609	-.00710	-.61757	.34562	.23952	.00000	-.09031	-.13737	-.17847	-.17879	.20102
2.860	-8.543	-.00314	-.50655	.33714	.19865	.00000	-.10116	-.13999	-.17959	-.17991	.19799
2.860	-6.470	-.00252	-.39438	.32660	.15518	.00000	-.11235	-.13998	-.18218	-.17804	.19213
2.860	-4.387	-.00226	-.28938	.32169	.12389	.00000	-.12017	-.14706	-.18256	-.17692	.18713
2.860	-2.319	-.00092	-.18609	.31560	.09927	.00000	-.12620	-.15045	-.18181	-.17468	.18342
2.860	-1.289	-.00096	-.14577	.31557	.07841	.00000	-.13106	-.15269	-.18144	-.17393	.18155
2.860	-.252	-.00181	-.09971	.31289	.05526	.00000	-.13407	-.15494	-.18107	-.17356	.18106
2.860	.778	-.00177	-.05379	.30975	.05295	.00000	-.13667	-.15558	-.18079	-.17243	.18004
2.860	1.810	-.00109	-.01388	.30799	.03933	.00000	-.13855	-.15691	-.17995	-.17356	.17955
2.860	3.868	-.00112	.07610	.30403	.00751	.00000	-.13964	-.15557	-.17922	-.17131	.18062
2.860	5.921	-.00041	.16458	.29991	-.02578	.00000	-.13743	-.15195	-.17736	-.16683	.17882
2.860	8.004	-.00039	.27928	.29539	-.06917	.00000	-.13483	-.15271	-.17662	-.16422	.17943
2.860	10.077	.00041	.38962	.29169	-.10913	.00000	-.13109	-.15196	-.17625	-.16460	.17907
	GRADIENT	.00008	.04380	-.00216	-.01362	.00000	-.00250	-.00116	.00041	.00050	-.00081

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CFORB	CFOMS	CFTC	CFSRB	CFSRBN	CFET
3.900	-10.529	-.00371	-.50260	.29860	.19083	.00000	-.09460	-.10781	-.13263	-.12986	.16457
3.900	-8.493	-.00340	-.42414	.28877	.15722	.00000	-.09509	-.10977	-.13263	-.12886	.14837
3.900	-6.447	-.00309	-.34707	.27750	.14469	.00000	-.09607	-.11174	-.13264	-.12886	.16021
3.900	-4.403	-.00297	-.26116	.26659	.11609	.00000	-.09656	-.11272	-.13263	-.12986	.17931
3.900	-2.360	-.00324	-.19318	.26068	.09061	.00000	-.09755	-.11371	-.13264	-.12837	.22556
3.900	-1.336	-.00301	-.14399	.25809	.07818	.00000	-.09853	-.11469	-.13166	-.12837	.24467
3.900	-.319	-.00287	-.10791	.25505	.06748	.00000	-.09951	-.11518	-.13117	-.12589	.24458
3.900	.700	-.00263	-.07310	.25197	.05777	.00000	-.10050	-.11567	-.13069	-.12640	.24356
3.900	1.727	-.00215	-.03697	.25000	.04713	.00000	-.10099	-.11617	-.12971	-.12591	.23781
3.900	3.765	-.00251	.03935	.24459	.02089	.00000	-.10198	-.11716	-.12825	-.12444	.24325
3.900	5.803	-.00239	.12159	.23987	-.00766	.00000	-.10246	-.11764	-.12726	-.12247	.24269
3.900	7.847	-.00251	.20684	.23467	-.03805	.00000	-.10245	-.11764	-.12580	-.12099	.23187
3.900	9.894	-.00189	.29494	.23162	-.07093	.00000	-.10197	-.11715	-.12580	-.12050	.22695
	GRADIENT	.00010	.03650	-.00269	-.01138	.00000	-.00071	-.00055	.00057	.00057	.00651

UPWT 1088/1119 (IA-84) CONFIGURATION 02/T4/S1 (XH8011) (03 JAN 75)

REFERENCE DATA

SREF = 2695.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPOIR = .000 BDFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CFORB	CFOMS	CFTC	CFSRB	CFSRBN	CFET
4.600	-9.901	-.00277	-.48007	.29291	.18247	.00000	-.08282	-.10158	-.12257	-.11967	.30412
4.600	-7.879	-.00130	-.40243	.27966	.16127	.00000	-.08219	-.10283	-.12193	-.11966	.30150
4.600	-5.841	-.00227	-.32760	.26683	.13954	.00000	-.08345	-.10472	-.12257	-.11904	.32168
4.600	-3.813	-.00240	-.25282	.25561	.11498	.00000	-.08471	-.10535	-.12257	-.11904	.32294
4.600	-1.777	-.00221	-.17600	.24535	.09037	.00000	-.08470	-.10596	-.12193	-.11849	.32596
4.600	-.757	-.00190	-.13769	.24091	.07775	.00000	-.08471	-.10660	-.12195	-.11904	.32231
4.600	.251	-.00144	-.10486	.23697	.06950	.00000	-.08533	-.10560	-.12195	-.11842	.31478
4.600	1.269	-.00216	-.07029	.23365	.06038	.00000	-.08533	-.10723	-.12132	-.11779	.31039
4.600	2.282	-.00200	-.03593	.23029	.04948	.00000	-.08596	-.10786	-.12008	-.11716	.30913
4.600	4.316	-.00191	.04052	.22469	.02404	.00000	-.08596	-.10786	-.12008	-.11591	.30851
4.600	6.345	-.00126	.11694	.21771	-.00212	.00000	-.08660	-.10787	-.11947	-.11465	.30485
4.600	8.377	-.00090	.19872	.21178	-.03269	.00000	-.08659	-.10849	-.11883	-.11402	.30286
4.600	10.411	-.00143	.28412	.20658	-.06503	.00000	-.08533	-.10848	-.11819	-.11401	.29335
	GRADIENT	.00005	.03565	-.00378	-.01085	.00000	-.00019	-.00034	.00033	.00038	-.00242

UPWT 1088/1119 (IA-44) CONFIGURATION 02/T4/SB (XH8012) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPOSPK = .000 BOFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CPORB	CPOMS	CPTC	CPSRB	CPSRBN	CPET
1.600	-10.661	-.05187	-.78754	.45506	.30945	-.20993	-.21981	-.21635	-.30563	-.27332	-.26133
1.600	-8.567	-.05148	-.61837	.45205	.24021	-.21275	-.22359	-.21978	-.30526	-.27269	-.25882
1.600	-6.455	-.04961	-.45971	.44515	.17831	-.20593	-.21962	-.21578	-.29654	-.26210	-.25199
1.600	-4.659	-.04656	-.33816	.43945	.13206	-.19968	-.21045	-.21016	-.28965	-.24926	-.24853
1.600	-2.253	-.04574	-.17757	.43626	.07132	-.19533	-.20171	-.20113	-.28623	-.24547	-.24699
1.600	-1.202	-.04514	-.10714	.43530	.04500	-.19627	-.20108	-.19957	-.28717	-.24835	-.24261
1.600	-.146	-.04661	-.04425	.43452	.02265	-.19937	-.20230	-.20110	-.29059	-.25145	-.24195
1.600	.904	-.04238	.02090	.43383	-.00184	-.20187	-.20252	-.20235	-.29059	-.25114	-.24540
1.600	1.957	-.04396	.08253	.43305	-.02531	-.20221	-.20376	-.20238	-.29062	-.25054	-.25013
1.600	4.055	-.04272	.20412	.42807	-.07505	-.19908	-.19797	-.18998	-.30558	-.25748	-.23514
1.600	6.145	-.04096	.31572	.42411	-.11655	-.17630	-.17413	-.17691	-.31317	-.26590	-.23386
1.600	8.246	-.03964	.43553	.42272	-.15955	-.17567	-.17288	-.17650	-.31004	-.26465	-.23167
1.600	10.421	-.03897	.56044	.42051	-.19579	-.17849	-.17821	-.17868	-.31411	-.26747	-.22948
	GRADIENT	.00047	.06214	-.00118	-.02356	.00042	.00199	.00167	-.00165	-.00095	.00099

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CPORB	CPOMS	CPTC	CPSRB	CPSRBN	CPET
2.000	-10.053	-.05661	-.70881	.41213	.27793	-.14826	-.15495	-.15364	-.22958	-.20697	-.19806
2.000	-7.967	-.05447	-.55959	.40551	.21539	-.14928	-.15655	-.15692	-.21955	-.20308	-.19046
2.000	-5.881	-.05118	-.41824	.39729	.15931	-.14986	-.16004	-.15903	-.20910	-.18693	-.18983
2.000	-4.085	-.04954	-.30231	.39260	.11611	-.14829	-.15782	-.15587	-.20783	-.17679	-.18697
2.000	-1.701	-.04867	-.16572	.38959	.06907	-.14913	-.15551	-.15578	-.21759	-.18114	-.18087
2.000	-.644	-.04775	-.10776	.38635	.04949	-.14936	-.15510	-.15600	-.22133	-.18392	-.17634
2.000	.404	-.04710	-.05015	.38498	.02980	-.14996	-.15475	-.15497	-.22258	-.18516	-.17378
2.000	1.441	-.04630	.00418	.38282	.01049	-.15254	-.15575	-.15539	-.22419	-.18805	-.17318
2.000	2.492	-.04659	.06052	.38099	-.01043	-.15297	-.15481	-.15508	-.22357	-.18838	-.16939
2.000	4.589	-.04629	.17925	.37954	-.05922	-.15192	-.15100	-.15255	-.21977	-.18838	-.17161
2.000	6.695	-.04439	.30426	.37933	-.11026	-.15540	-.15386	-.15572	-.21628	-.18426	-.16749
2.000	8.776	-.04127	.42592	.37665	-.15283	-.15567	-.15222	-.15536	-.21403	-.18200	-.16427
2.000	10.961	-.03947	.55034	.37237	-.19874	-.14842	-.14368	-.14716	-.21722	-.18520	-.16557
	GRADIENT	.00041	.05520	-.00157	-.01990	-.00056	.00062	.00034	-.00142	-.00145	.00195

UPWT 1088/1119 (IA-44) CONFIGURATION 02/T4/S8 (XH8012) (03 JAN 75)

ORIGINAL PAGE IS
OF POOR QUALITY

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CFORB	CFOMS	CFTC	CFSRB	CFSRBN	CFET
3.900	-10.518	-.01597	-.49509	.30786	.18783	-.05891	-.05625	-.05561	-.08035	-.05559	.26781
3.900	-8.466	-.01786	-.41424	.29855	.16276	-.05944	-.05624	-.05668	-.07981	-.05666	.21511
3.900	-6.426	-.01870	-.33909	.28619	.14238	-.06105	-.05785	-.05775	-.07981	-.05881	.16776
3.900	-4.368	-.01935	-.25722	.27467	.11597	-.06428	-.06217	-.06099	-.08088	-.06259	.15647
3.900	-2.346	-.02015	-.18321	.26560	.09372	-.06588	-.06377	-.06259	-.08087	-.06419	.11720
3.900	-1.324	-.02097	-.14396	.26240	.08142	-.06481	-.06324	-.06260	-.07927	-.06473	.10900
3.900	-.305	-.02148	-.10299	.25962	.06900	-.06589	-.06378	-.06206	-.07829	-.06420	.10258
3.900	.708	-.02172	-.06844	.25536	.05856	-.06596	-.06485	-.06369	-.07766	-.06527	.09940
3.900	1.731	-.02131	-.03381	.25239	.04839	-.06959	-.06548	-.06476	-.07713	-.06582	.09340
3.900	3.776	-.02279	.03993	.24799	.02505	-.06858	-.06756	-.06594	-.07659	-.06473	.09184
3.900	5.824	-.02392	.12282	.24321	-.00339	-.06751	-.06649	-.06477	-.07445	-.06204	.12142
3.900	7.869	-.02525	.21033	.23875	-.03579	-.06752	-.06649	-.06477	-.07285	-.06097	.09444
3.900	9.907	-.02505	.29183	.23379	-.06444	-.06913	-.06757	-.06531	-.07338	-.06313	.05512
	GRADIENT	-.00039	.03655	-.00329	-.01115	-.00058	-.00057	-.00058	.00061	-.00029	-.00735

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CFORB	CFOMS	CFTC	CFSRB	CFSRBN	CFET
4.600	-9.885	-.01661	-.45236	.29834	.16947	-.03718	-.03380	-.03229	-.05562	-.03226	.24375
4.600	-7.852	-.01791	-.38316	.28504	.15111	-.03855	-.03379	-.03297	-.05562	-.03363	.19145
4.600	-5.821	-.01897	-.30125	.27322	.12706	-.03790	-.03315	-.03233	-.05358	-.03230	.18691
4.600	-3.798	-.01919	-.23355	.26066	.10659	-.03993	-.03518	-.03505	-.05562	-.03571	.17758
4.600	-1.204	-.01990	-.14452	.24628	.08098	-.04256	-.03791	-.03709	-.05698	-.03913	.12745
4.600	-.748	-.01975	-.13165	.24331	.07723	-.04335	-.03929	-.03778	-.05698	-.03992	.13159
4.600	.267	-.02069	-.09150	.23982	.06471	-.04337	-.03793	-.03711	-.05562	-.03846	.14112
4.600	1.285	-.02183	-.04914	.23654	.05239	-.04065	-.03660	-.03509	-.05222	-.03575	.13804
4.600	2.303	-.02225	-.00917	.23479	.04033	-.04133	-.03590	-.03439	-.05094	-.03574	.13466
4.600	4.334	-.02215	.05656	.22769	.02010	-.04338	-.03854	-.03713	-.05299	-.03641	.13823
4.600	6.360	-.02264	.12610	.22118	-.00283	-.04407	-.03864	-.03713	-.05152	-.03641	.09345
4.600	8.389	-.02297	.20162	.21464	-.03088	-.04544	-.04000	-.03918	-.05288	-.03846	.06183
4.600	10.431	-.02371	.28305	.20891	-.05995	-.04270	-.03865	-.03545	-.04947	-.03779	.03957
	GRADIENT	-.00044	.03638	-.00390	-.01086	-.00021	-.00018	-.00002	.00065	.00017	-.00354

UPWT 1089/1119 (IA-44) CONFIGURATION 03/T4/S7 (XH8013) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPOIL = .000 BOFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CFORB	CFOAS	CFTC	CFSRB	CFSRBN	CPET
1.600	-10.644	-.05155	-.76416	.45353	.29209	-.19923	.00000	-.20878	-.30928	-.26511	-.24819
1.600	-8.566	-.05115	-.59389	.45085	.22219	-.20133	.00000	-.21087	-.30442	-.25993	-.24421
1.600	-6.452	-.04773	-.44161	.44509	.16391	-.19589	.00000	-.20450	-.29830	-.24480	-.24187
1.600	-4.656	-.04672	-.32189	.44143	.11938	-.19152	.00000	-.20169	-.29361	-.23761	-.23912
1.600	-2.253	-.04659	-.16646	.43953	.06027	-.18854	.00000	-.19595	-.29231	-.24005	-.23439
1.600	-1.199	-.04335	-.10773	.43841	.03887	-.18855	.00000	-.19592	-.29381	-.24091	-.23199
1.600	-.147	-.04449	-.03765	.43835	.01349	-.18914	.00000	-.19432	-.29591	-.24276	-.23043
1.600	.907	-.04440	.02397	.43814	-.00943	-.19021	.00000	-.19258	-.29992	-.24318	-.23274
1.600	1.947	-.04479	.08024	.43624	-.03015	-.19196	.00000	-.19299	-.29925	-.24327	-.23752
1.600	4.048	-.04321	.19998	.43203	-.07938	-.18083	.00000	-.18353	-.31295	-.24600	-.22240
1.600	6.129	-.04048	.30991	.42931	-.12181	-.16892	.00000	-.17132	-.31763	-.25379	-.21955
1.600	8.232	-.04013	.42294	.42793	-.16135	-.16823	.00000	-.17157	-.31164	-.24717	-.21542
1.600	10.415	-.03909	.55084	.42634	-.20329	-.17139	.00000	-.17472	-.31135	-.24751	-.21169
	GRADIENT	.00037	.05981	-.00098	-.02261	.00076	.00000	.00185	-.00212	-.00093	.00121

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CFORB	CFOAS	CFTC	CFSRB	CFSRBN	CPET
2.000	-10.044	-.05358	-.69775	.41266	.26674	-.14272	.00000	-.14779	-.23338	-.20231	-.19872
2.000	-7.972	-.05233	-.54747	.40631	.20508	-.14401	.00000	-.15035	-.22293	-.19499	-.18081
2.000	-5.867	-.05172	-.40314	.40056	.14852	-.14346	.00000	-.15138	-.21655	-.17894	-.17961
2.000	-4.092	-.04904	-.29542	.39699	.10918	-.14190	.00000	-.14950	-.21222	-.17325	-.17677
2.000	-1.702	-.04844	-.16144	.39425	.06291	-.14406	.00000	-.14982	-.21948	-.17384	-.16975
2.000	-.656	-.04732	-.10717	.39183	.04402	-.14533	.00000	-.14914	-.22201	-.17289	-.16563
2.000	.392	-.04702	-.05175	.39006	.02578	-.14754	.00000	-.15103	-.22328	-.17384	-.16245
2.000	1.441	-.04603	.00455	.38896	.00559	-.14913	.00000	-.15230	-.22613	-.17605	-.16150
2.000	2.489	-.04521	.05652	.38625	-.01307	-.14914	.00000	-.15263	-.22519	-.17829	-.15866
2.000	4.575	-.04502	.16930	.38510	-.05998	-.14911	.00000	-.15165	-.21979	-.17922	-.16212
2.000	6.667	-.04369	.28838	.38387	-.10941	-.14721	.00000	-.15291	-.21652	-.17795	-.15895
2.000	8.760	-.04149	.40797	.38217	-.15233	-.14884	.00000	-.15233	-.21633	-.17735	-.15519
2.000	10.951	-.04011	.53696	.37955	-.19192	-.14091	.00000	-.14473	-.21854	-.17829	-.13612
	GRADIENT	.00053	.05342	-.00145	-.01919	-.00095	.00000	-.00043	-.00104	-.00079	.00190

UPWT 1088/1119 (IA-44) CONFIGURATION 03/T4/57 (XH8013) (03 JAN 75)

REFERENCE DATA

SREF = 2698.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1298.3000 INCHES YMRP = .0000 IN. YT
BREF = 1298.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPOIL = .000 BOFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CFORB	CFONS	CFTC	CFSRB	CFSRBN	CFET
2.500	-10.912	-.01550	-.67872	.37471	.26573	-.14060	-.03189	-.13436	-.19128	-.16763	-.15903
2.500	-8.826	-.01491	-.55085	.36471	.21337	-.13876	-.03428	-.13177	-.18943	-.16880	-.15543
2.500	-6.734	-.01495	-.42536	.35514	.16368	-.14033	-.03781	-.13222	-.18870	-.16771	-.15284
2.500	-4.652	-.01604	-.31327	.35101	.12199	-.14262	-.04051	-.13376	-.18759	-.16205	-.14645
2.500	-2.572	-.01646	-.20206	.35093	.08533	-.14482	-.04149	-.13594	-.18718	-.16163	-.14374
2.500	-1.533	-.01831	-.15649	.34899	.07375	-.14527	-.04166	-.13678	-.18685	-.16169	-.14155
2.500	-.490	-.01674	-.10972	.34658	.06197	-.14711	-.04270	-.13863	-.18683	-.16099	-.13963
2.500	.545	-.01859	-.06683	.34520	.05197	-.14902	-.04199	-.14091	-.18571	-.16016	-.14040
2.500	1.575	-.01917	-.02413	.34219	.03952	-.14971	-.04184	-.14197	-.18492	-.16238	-.14033
2.500	3.651	-.01976	.07154	.33860	.00577	-.15277	-.04384	-.14542	-.18345	-.16053	-.13698
2.500	5.725	-.02067	.17769	.33602	-.03548	-.15014	-.05330	-.14204	-.18308	-.15563	-.13549
2.500	7.817	-.02214	.30341	.33409	-.09712	-.15127	-.05821	-.14294	-.18233	-.15374	-.12832
2.500	9.898	-.02336	.42496	.33129	-.13372	-.15238	-.06081	-.14428	-.18232	-.15334	-.12112
	GRADIENT	-.00047	.04554	-.00159	-.01327	-.00124	-.00033	-.00144	.00051	.00014	.00105

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CFORB	CFONS	CFTC	CFSRB	CFSRBN	CFET
2.860	-10.619	-.01747	-.63655	.35261	.24806	-.12083	-.02703	-.11116	-.15394	-.13436	-.12257
2.860	-8.540	-.01663	-.52676	.34554	.20686	-.12084	-.02786	-.11199	-.15435	-.13478	-.12258
2.860	-6.464	-.01664	-.41811	.33659	.16923	-.12124	-.03114	-.11404	-.15434	-.13560	-.12256
2.860	-4.387	-.01871	-.30107	.32882	.12948	-.12209	-.03203	-.11448	-.15239	-.13437	-.11844
2.860	-2.323	-.01902	-.20143	.32065	.09744	-.12374	-.03452	-.11614	-.15239	-.13354	-.11513
2.860	-1.295	-.01952	-.15313	.31854	.08241	-.12539	-.03533	-.11779	-.15106	-.13239	-.11264
2.860	-.250	-.01941	-.11285	.31627	.07156	-.12972	-.03768	-.12154	-.15189	-.13231	-.11100
2.860	.786	-.02081	-.06745	.31375	.05778	-.12928	-.03654	-.12193	-.15105	-.13104	-.10972
2.860	1.814	-.02163	-.02221	.31152	.04243	-.12993	-.03571	-.12275	-.14982	-.13311	-.10949
2.860	3.876	-.02243	.06658	.30794	.00998	-.12954	-.03993	-.12237	-.14918	-.13149	-.10769
2.860	5.931	-.02331	.16331	.30357	-.02701	-.12789	-.04283	-.11998	-.14554	-.12958	-.10603
2.860	8.002	-.02356	.27380	.30004	-.07059	-.12787	-.04611	-.11945	-.14571	-.12566	-.10063
2.860	10.074	-.02350	.39244	.29751	-.11617	-.12746	-.04919	-.11904	-.14406	-.12442	-.09490
	GRADIENT	-.00049	.04412	-.00245	-.01413	-.00104	-.00081	-.00113	.00049	.00032	.00136

UPWT 1088/1119 (IA-44) CONFIGURATION 03/T4/S7 (XH8013) (03 JAN 75)

REFERENCE DATA

SREF = 2698.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1298.3000 INCHES YMRP = .0000 IN. YT
BREF = 1298.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPDBRK = .000 DEFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CPORB	CPONS	CPTC	CPSRB	CPSRBN	CPET
3.900	-10.509	-.01866	-.50134	.30334	.18825	-.07650	-.01375	-.06439	-.09159	-.05292	-.05374
3.900	-8.475	-.01943	-.42328	.29310	.16364	-.07595	-.01648	-.06439	-.09213	-.05519	-.05385
3.900	-6.432	-.02000	-.34655	.28151	.14134	-.07759	-.02305	-.06502	-.09375	-.05783	-.05429
3.900	-4.386	-.02091	-.26156	.27143	.11319	-.07759	-.02576	-.06548	-.09267	-.05893	-.05439
3.900	-2.351	-.02046	-.18511	.26309	.08963	-.07922	-.02903	-.06765	-.09375	-.06328	-.05494
3.900	-1.332	-.02026	-.14999	.25961	.07979	-.08084	-.03060	-.06982	-.09267	-.06599	-.05480
3.900	-.302	-.02073	-.10953	.25683	.05597	-.08085	-.03055	-.06929	-.09159	-.06601	-.05374
3.900	.714	-.02063	-.07432	.25374	.03714	-.08140	-.03175	-.07039	-.09159	-.06710	-.05375
3.900	1.735	-.02035	-.04263	.25128	.04908	-.08249	-.03284	-.07202	-.09159	-.06819	-.05429
3.900	3.771	-.02072	.03596	.24765	.02227	-.08357	-.03283	-.07255	-.09050	-.06873	-.05319
3.900	5.817	-.02099	.11624	.24299	-.00552	-.08303	-.03227	-.07255	-.08934	-.06709	-.05154
3.900	7.866	-.02216	.21293	.23932	-.04198	-.08193	-.03226	-.07146	-.08617	-.06544	-.04936
3.900	9.910	-.02185	.30299	.23602	-.07342	-.08139	-.03335	-.07037	-.08508	-.06708	-.04772
	GRADIENT	.00091	.03519	-.00291	-.01091	-.00072	-.00065	-.00088	.00033	-.00117	.00015

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CPORB	CPONS	CPTC	CPSRB	CPSRBN	CPET
4.600	-9.894	-.00427	-.46961	.29328	.17289	-.05917	-.00833	-.04372	-.07145	-.04788	.01302
4.600	-7.853	-.00531	-.39212	.27941	.15060	-.05778	-.00833	-.04303	-.07145	-.04649	.00169
4.600	-5.837	-.00710	-.31700	.26699	.12939	-.05949	-.01531	-.04303	-.07145	-.04511	-.00926
4.600	-3.796	-.00900	-.24210	.25574	.10650	-.05848	-.01813	-.04374	-.07075	-.04512	-.01277
4.600	-1.766	-.01047	-.16521	.24617	.08248	-.05917	-.02089	-.04443	-.07145	-.04580	-.01552
4.600	-.750	-.01015	-.13626	.24080	.07478	-.06264	-.02431	-.04719	-.07353	-.04856	-.02033
4.600	.273	-.01144	-.09814	.23707	.05392	-.06195	-.02365	-.04651	-.07214	-.04719	-.02038
4.600	1.295	-.01230	-.06009	.23343	.05299	-.06265	-.02505	-.04651	-.07145	-.04649	-.02107
4.600	2.300	-.01215	-.02974	.23024	.04520	-.06334	-.02573	-.04790	-.07214	-.04649	-.02315
4.600	4.327	-.01347	.04679	.22537	.01938	-.06334	-.02642	-.04799	-.07076	-.04508	-.02313
4.600	6.358	-.01429	.11560	.21730	-.00450	-.06334	-.02711	-.04929	-.07007	-.04578	-.02453
4.600	8.388	-.01536	.20324	.21285	-.03624	-.06473	-.02851	-.04998	-.07076	-.04717	-.02522
4.600	10.429	-.01658	.29726	.20899	-.07295	-.06265	-.02794	-.04790	-.06730	-.04788	-.02316
	GRADIENT	-.00055	.03527	-.00376	-.01043	-.00055	-.00102	-.00054	.00092	.00092	-.00135

UPWT 1099/1119 (IA-44) CONFIGURATION 02/T4/S7 (XH8014) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA =	.000	ELV-LO =	.000
ELV-LI =	9.000	ELV-RI =	8.000
ELV-RO =	.000	RUDDER =	.000
SPDBRK =	.000	BOFLAP =	.000

RUN NO. 0/ 0 RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CPORB	CPONS	CPTC	CPSRB	CPSRBN	CPET
1.600	-10.631	-.06602	-.76777	.45840	.28896	-.23273	-.24721	.19751	-.32540	-.29070	-.24493
1.600	-8.545	-.06704	-.59857	.45735	.21946	-.23460	-.24868	.17467	-.32796	-.28765	-.24461
1.600	-6.434	-.06515	-.44738	.45214	.16214	-.23206	-.24525	.16000	-.32401	-.27885	-.24268
1.600	-4.638	-.06491	-.32269	.44825	.11553	-.22733	-.23785	.13490	-.31138	-.26743	-.24230
1.600	-2.228	-.06760	-.16672	.44427	.05641	-.22856	-.23297	.03781	-.31131	-.26253	-.24688
1.600	-1.174	-.06646	-.09984	.44225	.03216	-.23058	-.23375	.01420	-.31404	-.26386	-.24916
1.600	-.122	-.06666	-.03999	.44152	.01077	-.23093	-.23279	.00337	-.31461	-.26320	-.24820
1.600	.938	-.06658	.03113	.44059	-.01518	-.23245	-.23351	-.00114	-.31903	-.26454	-.24496
1.600	1.988	-.06783	.09359	.43843	-.03849	-.23332	-.23376	-.00310	-.31982	-.26386	-.24125
1.600	4.074	-.06656	.20958	.43369	-.08787	-.22097	-.22187	.00327	-.32864	-.27055	-.22724
1.600	6.172	-.06673	.32885	.43265	-.13435	-.21522	-.21772	.01157	-.33389	-.27156	-.22432
1.600	8.274	-.06778	.44931	.43216	-.17631	-.21631	-.22126	.02906	-.33016	-.26994	-.22298
1.600	10.451	-.06592	.57152	.42974	-.21367	-.21998	-.22465	.01475	-.33565	-.27575	-.22345
	GRADIENT	-.00016	.06130	-.00157	-.02316	.00030	.00137	-.01404	-.00198	-.00032	.00161

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CPORB	CPONS	CPTC	CPSRB	CPSRBN	CPET
2.000	-10.002	-.06895	-.57482	.41335	.25567	-.18242	-.19359	.39134	-.25691	-.22483	-.17385
2.000	-7.927	-.06748	-.43034	.40581	.19580	-.18367	-.19598	.30057	-.24703	-.22205	-.17263
2.000	-5.831	-.06834	-.28934	.39918	.14244	-.18400	-.19521	.28539	-.23933	-.20601	-.17327
2.000	-4.042	-.06753	-.17821	.39447	.10222	-.18242	-.19277	.27636	-.23621	-.19825	-.17107
2.000	-1.648	-.06858	-.14529	.39068	.05702	-.18491	-.19000	.23250	-.24550	-.19796	-.17017
2.000	-.602	-.06912	-.09281	.38965	.03983	-.18675	-.18958	.19309	-.24858	-.19825	-.17046
2.000	.436	-.06980	-.03851	.38649	.02127	-.19011	-.19181	.15692	-.24763	-.20039	-.16949
2.000	1.482	-.06955	.01948	.38479	.00097	-.19294	-.19403	.13170	-.24797	-.20105	-.16769
2.000	2.521	-.06915	.07054	.38167	-.01878	-.19323	-.19433	.12156	-.24889	-.19950	-.16520
2.000	4.615	-.06799	.18913	.38028	-.07033	-.18647	-.19197	.12395	-.24612	-.19859	-.17018
2.000	6.707	-.06910	.31364	.38270	-.11995	-.18521	-.19223	.10594	-.24616	-.19833	-.16939
2.000	8.221	-.06934	.40838	.38173	-.15493	-.18372	-.18694	.11053	-.24614	-.20047	-.16495
2.000	10.992	-.06905	.56319	.37723	-.20156	-.17599	-.18134	.05799	-.24890	-.19798	-.16833
	GRADIENT	-.00010	.05356	-.00175	-.01953	-.00088	-.00020	-.01989	-.00105	-.00016	.00036

UPWT 1088/1119 (IA-44) CONFIGURATION C2/T4/S7 (XH8914) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = 8.000 ELV-RI = 8.000
ELV-RO = .000 RUDDER = .000
SPOBRK = .000 DEFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CPORB	CPOMS	CPTC	CPSRB	CPSRBN	CPET
2.500	-10.997	-.01146	-.65879	.38121	.25202	-.14005	-.14182	-.13767	-.18338	-.15445	.19585
2.500	-8.817	-.01362	-.52857	.37091	.19866	-.13452	-.13777	-.13362	-.18155	-.15524	.16837
2.500	-6.724	-.01356	-.40685	.36155	.15057	-.13310	-.13635	-.13369	-.18122	-.15231	.13941
2.500	-4.638	-.01470	-.28570	.35730	.10509	-.13464	-.13678	-.13561	-.18015	-.15050	.10828
2.500	-2.566	-.01533	-.18626	.35362	.07404	-.13979	-.14119	-.13965	-.18160	-.15194	.10031
2.500	-1.521	-.01672	-.13709	.35310	.06126	-.14079	-.14220	-.13953	-.18153	-.15146	.10709
2.500	-.473	-.01820	-.08725	.35199	.04812	-.14037	-.14178	-.13911	-.17928	-.15068	.09496
2.500	.554	-.01936	-.04427	.34989	.03714	-.14150	-.14328	-.14061	-.17917	-.15143	.07517
2.500	1.594	-.02026	.00298	.34708	.02301	-.14340	-.14496	-.14177	-.17782	-.15333	.05346
2.500	3.659	-.02079	.09455	.34269	-.00916	-.14599	-.14554	-.14516	-.17707	-.15192	.05692
2.500	5.730	-.02197	.20398	.34072	-.05148	-.14346	-.14263	-.14108	-.17526	-.14704	.06663
2.500	7.819	-.02399	.32105	.33978	-.09793	-.14756	-.14599	-.14706	-.17490	-.14518	.06176
2.500	9.907	-.02569	.43765	.33556	-.14256	-.14676	-.14378	-.14440	-.17301	-.14364	.05092
	GRADIENT	-.00085	.04571	-.00171	-.01336	-.00122	-.00096	-.00099	.00053	-.00018	-.00714

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CPORB	CPOMS	CPTC	CPSRB	CPSRBN	CPET
2.860	-10.608	-.01359	-.61359	.36039	.23509	-.11998	-.11812	-.10983	-.13845	-.11537	.24159
2.860	-8.545	-.01379	-.50536	.35119	.19445	-.11220	-.11216	-.10964	-.14007	-.11987	.19331
2.860	-6.457	-.01488	-.39642	.34247	.15667	-.11222	-.11301	-.10925	-.14099	-.12071	.14975
2.860	-4.365	-.01720	-.27850	.33375	.11673	-.11222	-.11341	-.10966	-.14009	-.12030	.12439
2.860	-2.312	-.01801	-.18470	.32544	.08741	-.11507	-.11710	-.11416	-.14171	-.12193	.10690
2.860	-1.270	-.01974	-.13422	.32366	.07128	-.11385	-.11587	-.11376	-.13927	-.12030	.10901
2.860	-.239	-.01939	-.09557	.32127	.06124	-.11672	-.11834	-.11653	-.14090	-.12153	.09939
2.860	.795	-.01968	-.05333	.31755	.04899	-.11713	-.11875	-.11653	-.13968	-.12194	.08383
2.860	1.811	-.02101	-.00672	.31547	.03252	-.11714	-.11835	-.11664	-.13845	-.12154	.07477
2.860	3.880	-.02332	.08502	.31211	-.00159	-.11837	-.11917	-.11746	-.13643	-.11949	.07272
2.860	5.936	-.02413	.17899	.30861	-.03769	-.11877	-.11957	-.11784	-.13479	-.11579	.08629
2.860	8.015	-.02609	.29454	.30635	-.08356	-.11836	-.11916	-.11784	-.13972	-.11170	.09136
2.860	10.093	-.02585	.40552	.30250	-.12599	-.11937	-.11712	-.11582	-.13114	-.11171	.06902
	GRADIENT	-.00070	.04369	-.00260	-.01400	-.00074	-.00066	-.00090	.00048	.00005	-.00681

UFWT 1088/1119 (IA-44) CONFIGURATION 02/T4/S7 (XH8014) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = 8.000 ELV-RI = 8.000
ELV-RO = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CFORB	CFOMS	CFTC	CFSRB	CFSRBN	CFET
3.900	-10.520	-.01192	-.49403	.31089	.19389	-.05377	-.05008	-.05101	-.07361	-.04667	.27902
3.900	-8.465	-.01400	-.41120	.30179	.15889	-.05432	-.05004	-.05102	-.07255	-.04830	.21603
3.900	-6.432	-.01501	-.33916	.28946	.13946	-.05541	-.05059	-.05373	-.07363	-.05047	.18144
3.900	-4.398	-.01745	-.25586	.27467	.11278	-.05755	-.05381	-.05425	-.07362	-.05207	.16916
3.900	-2.344	-.01751	-.18650	.26913	.09274	-.05917	-.05598	-.05642	-.07469	-.05532	.12058
3.900	-1.326	-.01869	-.14099	.26732	.07798	-.05963	-.05598	-.05534	-.07148	-.05531	.10552
3.900	-.307	-.01925	-.10547	.26417	.06776	-.06025	-.05760	-.05696	-.07148	-.05539	.10066
3.900	.709	-.01953	-.07036	.26015	.05567	-.06132	-.05922	-.05958	-.07201	-.05747	.10390
3.900	1.730	-.01989	-.03265	.25788	.04495	-.06133	-.05869	-.05750	-.07041	-.05649	.10719
3.900	3.790	-.02202	.04897	.25537	.01768	-.05025	-.05814	-.05750	-.06773	-.05370	.10603
3.900	5.809	-.02255	.12524	.24965	-.00922	-.06240	-.06030	-.05912	-.06825	-.05424	.13623
3.900	7.865	-.02397	.21744	.24577	-.04420	-.06132	-.05922	-.05903	-.06666	-.05208	.10445
3.900	9.910	-.02390	.30050	.24135	-.07342	-.06240	-.06030	-.05912	-.06719	-.05424	.06671
	GRADIENT	-.00056	.03724	-.00206	-.01159	-.00041	-.00061	-.00043	.00074	-.00025	-.00656

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CFORB	CFOMS	CFTC	CFSRB	CFSRBN	CFET
4.600	-9.881	-.01347	-.45333	.30165	.16766	-.02855	-.02460	-.02378	-.04797	-.02168	.24133
4.600	-7.875	-.01393	-.38652	.28764	.15006	-.03000	-.02525	-.02512	-.04774	-.02440	.19206
4.600	-5.819	-.01566	-.30908	.27508	.12925	-.03002	-.02527	-.02514	-.04638	-.02373	.19749
4.600	-3.787	-.01677	-.23902	.26244	.10723	-.03278	-.02735	-.02722	-.04639	-.02581	.17669
4.600	-1.772	-.01820	-.16318	.25273	.08343	-.03347	-.02804	-.02791	-.04639	-.02719	.11411
4.600	-.744	-.01785	-.12957	.24682	.07326	-.03549	-.03006	-.02993	-.04773	-.02921	.11502
4.600	.268	-.01902	-.08948	.24371	.06125	-.03415	-.02872	-.02928	-.04570	-.02787	.12655
4.600	1.287	-.01902	-.05949	.23922	.05387	-.03551	-.03008	-.03064	-.04637	-.02854	.12179
4.600	2.297	-.01957	-.02152	.23569	.04253	-.03482	-.03009	-.02995	-.04501	-.02654	.12592
4.600	4.325	-.01973	.04803	.23069	.02006	-.03688	-.03145	-.03132	-.04568	-.02853	.15558
4.600	6.349	-.02110	.12542	.22465	-.00783	-.03687	-.03213	-.03062	-.04499	-.02783	.11365
4.600	8.390	-.02152	.20274	.21893	-.03576	-.03620	-.03215	-.03064	-.04364	-.02785	.06949
4.600	10.421	-.02236	.29620	.21384	-.06674	-.03620	-.03146	-.02995	-.04159	-.02854	.04747
	GRADIENT	-.00037	.03523	-.00391	-.01055	-.00045	-.00048	-.00050	.00016	-.00030	-.00126

UPWT 1069/1119 (IA-44) CONFIGURATION 02/T4/S7 (XH8015) (03 JAN 75)

REFERENCE DATA

SREF = 2699.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = -8.000
ELV-LI = 8.000 ELV-RI = 8.000
ELV-RO = -8.000 RUDDER = .000
SPDBRK = .000 BOFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CPORB	CPOMS	CPTC	CPSRB	CPSRBN	CPET
1.600	-10.649	-.06603	-.78155	.46293	.30184	-.22477	-.23619	.20277	-.31848	-.28495	-.23362
1.600	-8.518	-.06517	-.60600	.46072	.22933	-.22673	-.23785	.19069	-.32080	-.28298	-.23345
1.600	-6.425	-.06516	-.44886	.45613	.16939	-.22338	-.23388	.17517	-.31531	-.27169	-.23070
1.600	-4.632	-.06394	-.33085	.45042	.12477	-.22149	-.22923	.14182	-.30367	-.26218	-.23451
1.600	-2.225	-.06546	-.17295	.44637	.06499	-.22095	-.22309	.02722	-.30388	-.25519	-.23944
1.600	-1.172	-.06529	-.10543	.44451	.04093	-.22422	-.22494	-.00628	-.30916	-.25756	-.24374
1.600	-.118	-.06599	-.03884	.44383	.01611	-.22417	-.22396	-.01683	-.31025	-.25751	-.24216
1.600	.937	-.06558	.02579	.44264	-.00793	-.22630	-.22488	-.01957	-.31269	-.25995	-.24003
1.600	1.985	-.06517	.08840	.44026	-.03150	-.22833	-.22631	-.01929	-.31193	-.26013	-.23555
1.600	4.077	-.06718	.20348	.43552	-.08076	-.21564	-.21418	-.01275	-.32296	-.26752	-.22262
1.600	6.173	-.06625	.32760	.43477	-.12960	-.20982	-.20936	.00083	-.32665	-.26727	-.21841
1.600	8.269	-.06585	.44455	.43389	-.17042	-.21162	-.21320	.00498	-.32413	-.26625	-.21990
1.600	10.459	-.06568	.57252	.43172	-.21059	-.21430	-.21589	-.00678	-.32988	-.27199	-.22067
	GRADIENT	-.00028	.06159	-.00162	-.02345	.00012	.00119	-.01634	-.00214	-.00071	.00121

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CPORB	CPOMS	CPTC	CPSRB	CPSRBN	CPET
2.000	-10.016	-.06762	-.70564	.41765	.27687	-.16963	-.17868	.25485	-.24687	-.21541	-.15577
2.000	-7.935	-.06793	-.55369	.41080	.21409	-.16904	-.17933	.23692	-.23732	-.21234	-.15333
2.000	-5.835	-.06751	-.40724	.40417	.15595	-.17088	-.18055	.24032	-.22742	-.19626	-.15486
2.000	-4.054	-.06734	-.30009	.39906	.11579	-.17028	-.17840	.22926	-.22527	-.18917	-.15395
2.000	-1.656	-.06784	-.16241	.39519	.06766	-.17190	-.17477	.21598	-.23212	-.18739	-.15289
2.000	-.626	-.06893	-.11286	.39309	.05132	-.17507	-.17579	.17661	-.23712	-.18932	-.15660
2.000	.436	-.06936	-.05002	.39175	.02957	-.17660	-.17576	.14093	-.23834	-.18900	-.15473
2.000	1.472	-.06805	.00215	.38963	.01038	-.17903	-.17790	.11759	-.23585	-.18990	-.15377
2.000	2.515	-.06977	.05896	.38722	-.01074	-.18060	-.17947	.10674	-.23711	-.18839	-.15041
2.000	4.606	-.07021	.17089	.38426	-.05836	-.17414	-.17639	.11164	-.23526	-.19025	-.15475
2.000	6.694	-.06936	.29422	.38635	-.10975	-.17660	-.18009	.09073	-.23865	-.19023	-.15597
2.000	8.810	-.06757	.42401	.38531	-.15739	-.17346	-.17323	.08594	-.23954	-.19296	-.15292
2.000	11.021	-.06935	.55521	.38309	-.19793	-.16588	-.16841	.05270	-.24085	-.18845	-.15573
	GRADIENT	-.00032	.05418	-.00178	-.01983	-.00083	-.00007	-.01649	-.00111	-.00015	.00010

UPWT 1089/1119 (IA-44) CONFIGURATION 02/14/57 (XH8015) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = -8.000
ELV-LI = 8.000 ELV-RI = 8.000
ELV-RO = -8.000 RUDDER = .000
SPDBRK = .000 BDFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CFORB	CFOMS	CFTC	CFSRB	CFSRBN	CFET
2.500	-10.926	-.01644	-.68535	.37475	.26826	-.14811	-.14878	-.14500	-.19463	-.16659	.17215
2.500	-8.835	-.01724	-.55715	.36347	.21557	-.14434	-.14873	-.14122	-.19276	-.16804	.14374
2.500	-6.755	-.01564	-.43551	.35474	.16560	-.14035	-.14621	-.13984	-.19132	-.16327	.12136
2.500	-4.653	-.01604	-.31799	.34992	.12171	-.14328	-.14804	-.14166	-.19094	-.15138	.09211
2.500	-2.580	-.01449	-.21521	.34619	.09015	-.14726	-.15054	-.14526	-.19199	-.16278	.08439
2.500	-1.532	-.01685	-.16369	.34533	.07589	-.14718	-.15009	-.14518	-.19085	-.16234	.08878
2.500	-.499	-.01680	-.12156	.34282	.06581	-.15023	-.15203	-.14825	-.19162	-.16390	.07656
2.500	.542	-.01747	-.07186	.34033	.05246	-.15068	-.15136	-.14932	-.18944	-.16294	.05990
2.500	1.592	-.01873	-.02480	.33757	.03755	-.15174	-.15167	-.14938	-.18930	-.16466	.04743
2.500	3.648	-.01852	.06895	.33302	.00414	-.15469	-.15426	-.15234	-.18506	-.16053	.04157
2.500	5.718	-.01835	.16952	.32923	-.03422	-.15442	-.15361	-.15170	-.18575	-.15839	.04753
2.500	7.809	-.01916	.29092	.32890	-.08317	-.15851	-.15659	-.15691	-.18464	-.15466	.04643
2.500	9.891	-.02045	.40800	.32431	-.12836	-.15628	-.15250	-.15430	-.18279	-.15280	.04567
	GRADIENT	-.00044	.04633	-.00206	-.01374	-.00133	-.00065	-.00124	.00065	-.00002	-.00699

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CFORB	CFOMS	CFTC	CFSRB	CFSRBN	CFET
2.860	-10.617	-.01801	-.64572	.35235	.25216	-.11883	-.11758	-.11597	-.14828	-.12897	.21852
2.860	-8.553	-.01741	-.53560	.34319	.21106	-.12012	-.11846	-.11635	-.15076	-.13312	.17060
2.860	-6.471	-.01773	-.42723	.33367	.17428	-.12098	-.12046	-.11793	-.15195	-.13225	.13859
2.860	-4.389	-.01845	-.31173	.32399	.13379	-.12212	-.12293	-.11998	-.15155	-.13227	.10782
2.860	-2.331	-.01801	-.21553	.31569	.10218	-.12457	-.12580	-.12245	-.15236	-.13308	.09992
2.860	-1.296	-.01909	-.16624	.31469	.09719	-.12378	-.12539	-.12163	-.15074	-.13186	.09981
2.860	-.253	-.02026	-.12045	.31314	.07357	-.12458	-.12581	-.12287	-.14952	-.13022	.08158
2.860	.771	-.01994	-.07943	.30983	.06183	-.12592	-.12553	-.12410	-.14952	-.13105	.06723
2.860	1.795	-.02036	-.04004	.30654	.04837	-.12788	-.12746	-.12535	-.14790	-.13188	.05939
2.860	3.961	-.02074	.04946	.30305	.01552	-.12868	-.12868	-.12655	-.14657	-.12900	.05210
2.860	5.927	-.02137	.14830	.29955	-.02207	-.12825	-.12857	-.12532	-.14504	-.12572	.06553
2.860	7.999	-.02196	.25663	.29702	-.05429	-.12969	-.12823	-.12657	-.14220	-.12286	.05024
2.860	10.073	-.02197	.36908	.29241	-.10718	-.12704	-.12521	-.12409	-.14138	-.12152	.04925
	GRADIENT	-.00034	.04345	-.00246	-.01399	-.00081	-.00054	-.00080	.00058	.00038	-.00707

UPWT 1098/1119 (IA-44) CONFIGURATION 32/T4/S7 (XH8015) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = -8.000
ELV-LI = 8.000 ELV-RI = 8.000
ELV-RO = -8.000 RUDDER = .000
SPDBRK = .000 BDFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CPORB	CPOMS	CPTC	CPSRB	CPSRBN	CPBT
3.900	-10.535	-.01812	-.54620	.29989	.21216	-.06678	-.06253	-.06189	-.08708	-.06456	.26503
3.900	-8.492	-.01828	-.46997	.28910	.18875	-.06785	-.06305	-.06404	-.08915	-.06617	.20852
3.900	-6.457	-.01951	-.39282	.27729	.16741	-.06895	-.06524	-.06460	-.08969	-.06781	.16841
3.900	-4.406	-.01957	-.31248	.26592	.14155	-.07002	-.06578	-.06567	-.08816	-.06898	.13335
3.900	-2.366	-.01992	-.23370	.25749	.11690	-.07057	-.06695	-.06622	-.08762	-.06943	.10269
3.900	-1.345	-.01997	-.19516	.25353	.10506	-.07109	-.06739	-.06728	-.08708	-.07050	.09037
3.900	-.319	-.02079	-.15360	.25151	.09151	-.07057	-.06740	-.06676	-.08495	-.06943	.08760
3.900	.699	-.02097	-.11586	.24913	.08011	-.07110	-.06794	-.06783	-.08387	-.06835	.09515
3.900	1.722	-.02065	-.07969	.24554	.06900	-.07218	-.06902	-.06783	-.08280	-.06835	.09731
3.900	3.756	-.02129	-.00437	.24130	.04435	-.07219	-.06956	-.06891	-.08227	-.06727	.09298
3.900	5.799	-.02200	.07677	.23673	.01551	-.07272	-.06956	-.05891	-.08120	-.06511	.11294
3.900	7.842	-.02251	.16268	.23226	-.01648	-.07326	-.07064	-.06945	-.08120	-.06511	.09328
3.900	9.898	-.02195	.24584	.22759	-.04586	-.07218	-.06955	-.06837	-.08012	-.06619	.04550
	GRADIENT	-.00022	.03781	-.00298	-.01188	-.00028	-.00047	-.00039	.00085	.00025	-.00577

RUN NO. 0/ 0 RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CPORB	CPOMS	CPTC	CPSRB	CPSRBN	CPBT
4.600	-9.906	-.01857	-.52219	.28444	.20121	-.04795	-.04172	-.04227	-.06354	-.04293	.24088
4.600	-7.869	-.01883	-.44378	.27149	.17885	-.04234	-.03689	-.03814	-.05148	-.03949	.17203
4.600	-5.833	-.01917	-.37248	.25910	.15842	-.04509	-.03895	-.04020	-.05423	-.04086	.19297
4.600	-3.806	-.02049	-.29350	.24690	.13371	-.04373	-.03759	-.03815	-.06148	-.03981	.16711
4.600	-1.778	-.02033	-.22507	.23541	.11367	-.04373	-.03828	-.03954	-.06217	-.04019	.11796
4.600	-.769	-.02111	-.18502	.23091	.10059	-.04442	-.03828	-.03894	-.06148	-.04019	.10896
4.600	.245	-.02010	-.15509	.22517	.09235	-.04717	-.04103	-.04229	-.06423	-.04364	.10705
4.600	1.266	-.02063	-.11670	.22277	.08145	-.04717	-.04103	-.04228	-.06285	-.04294	.10359
4.600	2.287	-.02095	-.07942	.22050	.07008	-.04855	-.04173	-.04229	-.06217	-.04294	.10913
4.600	4.319	-.02092	-.01027	.21474	.04910	-.04719	-.04105	-.04230	-.05910	-.04157	.13118
4.600	6.328	-.02124	.06571	.20878	.02222	-.04924	-.04311	-.04367	-.06079	-.04294	.08419
4.600	8.369	-.02159	.14359	.20272	-.00500	-.04856	-.04243	-.04437	-.05910	-.04295	.05436
4.600	10.400	-.02156	.22354	.19755	-.03577	-.04856	-.04312	-.04368	-.05941	-.04295	.03565
	GRADIENT	-.00006	.03505	-.00391	-.01043	-.00051	-.00055	-.00060	.00010	-.00045	-.00391

UPWT 1089/1119 (IA-44) CONFIGURATION 02/T4/S7 (XH8016) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = -4.000
ELV-LI = 8.000 ELV-RI = 8.000
ELV-RO = -4.000 RUDDER = .000
SPOBRK = .000 DOFLAP = .000

RUN NO. 0/ 0 RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CFORB	CFOMS	CFTC	CFSRB	CFSRBN	CFET
1.600	-10.637	-.06789	-.76997	.46665	.29542	-.22479	-.23750	.25405	-.31880	-.28559	-.22361
1.600	-8.535	-.06964	-.59399	.46516	.22363	-.22646	-.23886	.24640	-.32104	-.28236	-.22101
1.600	-6.422	-.06769	-.44103	.45930	.16517	-.22595	-.23714	.23108	-.31815	-.27425	-.22050
1.600	-4.630	-.06745	-.32050	.45434	.11999	-.22017	-.22951	.19281	-.30665	-.26333	-.22234
1.600	-2.221	-.06755	-.16438	.45119	.06140	-.22228	-.22490	.07080	-.30511	-.25659	-.23148
1.600	-1.168	-.06641	-.10149	.44908	.03812	-.22440	-.22511	.04013	-.30868	-.25808	-.23573
1.600	-.114	-.06640	-.03382	.44761	.01424	-.22609	-.22659	.02492	-.31186	-.25945	-.23468
1.600	.944	-.06789	.03149	.44771	-.01020	-.22648	-.22545	.01444	-.31405	-.25984	-.23049
1.600	1.988	-.06642	.09847	.44531	-.03188	-.22818	-.22695	.01414	-.31510	-.26121	-.22762
1.600	4.084	-.06726	.21287	.44082	-.08458	-.21474	-.21427	.02193	-.32257	-.26598	-.21262
1.600	6.174	-.06932	.32849	.43947	-.12945	-.20967	-.21040	.03179	-.32749	-.26697	-.20967
1.600	8.275	-.06769	.44478	.43878	-.17038	-.21191	-.21479	.03341	-.32453	-.26677	-.21040
1.600	10.460	-.07004	.57539	.43723	-.21142	-.21395	-.21683	.00504	-.32934	-.27004	-.21092
	GRADIENT	.00004	.06112	-.00148	-.02321	.00015	.00126	-.01849	-.00194	-.00045	.00197

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CFORB	CFOMS	CFTC	CFSRB	CFSRBN	CFET
2.000	-9.998	.07123	-.67873	.41911	.26393	-.17200	-.18174	.27311	-.24853	-.21581	-.12980
2.000	-7.925	-.06890	-.53624	.41128	.20571	-.17236	-.18364	.27415	-.23870	-.21377	-.12967
2.000	-5.822	-.06997	-.39170	.40522	.14917	-.17274	-.18371	.26653	-.22857	-.19718	-.13119
2.000	-4.044	-.07061	-.28366	.40036	.10959	-.17123	-.18065	.25998	-.22582	-.18919	-.12999
2.000	-1.648	-.06937	-.15188	.39567	.06499	-.17495	-.17913	.21437	-.23539	-.18993	-.13527
2.000	-.614	-.06894	-.10251	.39280	.04970	-.17774	-.17947	.17401	-.23921	-.19080	-.14017
2.000	.444	-.07009	-.04159	.39175	.02763	-.17907	-.17987	.14949	-.23834	-.19058	-.14059
2.000	1.494	-.06944	.01061	.38990	.00888	-.18124	-.18143	.11644	-.23650	-.19121	-.14092
2.000	2.528	-.07142	.06533	.39706	-.01223	-.18250	-.18207	.10498	-.23937	-.18938	-.13879
2.000	4.620	-.07094	.18081	.38512	-.05197	-.17576	-.17964	.10919	-.23555	-.19034	-.14285
2.000	6.708	-.07219	.30403	.38727	-.11179	-.17523	-.18034	.09268	-.23814	-.18957	-.14264
2.000	8.811	-.06937	.43359	.38585	-.15933	-.17251	-.17390	.09223	-.23890	-.19109	-.13900
2.000	10.998	-.07098	.55375	.38397	-.19492	-.16539	-.16921	.05823	-.23999	-.18795	-.14489
	GRADIENT	-.00012	.05333	-.00180	-.01951	-.00083	-.00008	-.01958	-.00106	-.00009	-.00133

UPWT 1098/1119 (IA-44) CONFIGURATION 02/T4/S7 (XH8016) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA =	.000	ELV-LO =	-4.000
ELV-LI =	8.000	ELV-RI =	8.000
ELV-RO =	-4.000	RUDDER =	.000
SPDBRK =	.000	BOFLAP =	.000

RUN NO. 0/ 0 RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CPORB	CPOMS	CPTC	CPSRB	CPSRBN	CPET
2.500	-10.911	-.01729	-.66258	.37955	.25599	-.14104	-.14318	-.13940	-.18658	-.15952	.18186
2.500	-8.809	-.01814	-.52714	.36950	.20199	-.13879	-.14279	-.13678	-.18521	-.16101	.15210
2.500	-6.722	-.01614	-.40883	.35999	.15367	-.13550	-.14173	-.13460	-.18475	-.15695	.12916
2.500	-4.638	-.01775	-.28995	.35489	.10995	-.13701	-.14212	-.13648	-.18365	-.15473	.10041
2.500	-2.547	-.01690	-.18586	.35236	.07614	-.14076	-.14476	-.13987	-.18441	-.15550	.09320
2.500	-1.516	-.01773	-.13648	.35156	.06187	-.14078	-.14477	-.13998	-.18331	-.15477	.09689
2.500	-.484	-.01742	-.09671	.34933	.05305	-.14377	-.14665	-.14362	-.18479	-.15627	.08455
2.500	.553	-.01806	-.04922	.34793	.04003	-.14489	-.14665	-.14438	-.18332	-.15628	.06773
2.500	1.580	-.01843	-.00435	.34478	.02748	-.14672	-.14774	-.14583	-.18293	-.15849	.05450
2.500	3.654	-.01960	.08919	.34023	-.00517	-.14971	-.15000	-.14920	-.18146	-.15552	.04727
2.500	5.730	-.01957	.19636	.33740	-.04634	-.14788	-.14780	-.14663	-.17963	-.15183	.05618
2.500	7.825	-.02018	.31773	.33797	-.09452	-.15011	-.14929	-.15035	-.17815	-.14848	.05395
2.500	9.902	-.01923	.43175	.33190	-.13766	-.15160	-.14854	-.15035	-.17741	-.14811	.05283
	GRADIENT	-.00025	.04525	-.00178	-.01332	-.00154	-.00091	-.00155	.00027	-.00024	-.00732

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CPORB	CPOMS	CPTC	CPSRB	CPSRBN	CPET
2.860	-10.612	-.01913	-.61887	.35838	.24032	-.11438	-.11393	-.11222	-.14189	-.12164	.22617
2.860	-8.539	-.01846	-.50802	.34951	.19834	-.11355	-.11311	-.11140	-.14311	-.12452	.17861
2.860	-6.461	-.01839	-.39548	.34055	.15900	-.11397	-.11434	-.11181	-.14393	-.12452	.14622
2.860	-4.367	-.01809	-.28575	.33109	.12251	-.11692	-.11884	-.11467	-.14474	-.12615	.11555
2.860	-2.316	-.01974	-.18456	.32398	.08923	-.11726	-.11927	-.11551	-.14353	-.12534	.09945
2.860	-1.276	-.01959	-.14134	.32133	.07618	-.11848	-.12132	-.11797	-.14434	-.12575	.09580
2.860	-.256	-.01939	-.09781	.31952	.06377	-.11888	-.12172	-.11878	-.14433	-.12574	.09885
2.860	.797	-.02036	-.05068	.31725	.04949	-.11933	-.12135	-.11923	-.14273	-.12496	.07678
2.860	1.823	-.02046	-.00877	.31467	.03522	-.12094	-.12173	-.12044	-.14199	-.12575	.06872
2.860	3.873	-.02117	.07831	.31043	.00311	-.12350	-.12379	-.12209	-.14149	-.12453	.05048
2.860	5.946	-.02185	.17842	.30712	-.03544	-.12257	-.12296	-.12084	-.13782	-.11918	.07653
2.860	8.001	-.02206	.28092	.30306	-.07558	-.12381	-.12420	-.12290	-.13741	-.11755	.06952
2.860	10.088	-.02100	.39705	.29903	-.12023	-.12257	-.12296	-.12125	-.13578	-.11631	.05809
	GRADIENT	-.00034	.04393	-.00243	-.01414	-.00076	-.00057	-.00094	.00041	.00015	-.00695

UFWT 1088/1119 (IA-44) CONFIGURATION 02/T4/S7 (XH8016) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = -4.000
ELV-LI = 8.000 ELV-RI = 8.000
ELV-RO = -4.000 RUDDER = .000
SPOBRK = .000 BDFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CFORB	CFOMS	CFTC	CFSRB	CFSRBN	CFET
3.900	-10.517	-.01901	-.49474	.30872	.18595	-.05723	-.05240	-.05500	-.07871	-.05335	.27468
3.900	-8.481	-.01907	-.41997	.29828	.16357	-.05991	-.05454	-.05661	-.07978	-.05604	.21816
3.900	-6.437	-.01997	-.34315	.28659	.14207	-.06045	-.05616	-.05769	-.07924	-.05712	.17448
3.900	-4.389	-.02020	-.26255	.27538	.11679	-.06208	-.05779	-.05931	-.07924	-.05929	.16255
3.900	-2.346	-.02048	-.18529	.26706	.09302	-.06207	-.05833	-.05985	-.07871	-.06037	.11350
3.900	-1.319	-.02059	-.14602	.26389	.08079	-.06261	-.05887	-.05985	-.07763	-.06036	.10059
3.900	-.300	-.02132	-.10657	.26107	.06896	-.06261	-.05941	-.05985	-.07656	-.06091	.08516
3.900	.720	-.02075	-.07039	.25733	.05789	-.06423	-.06103	-.06147	-.07710	-.06199	.09893
3.900	1.744	-.02134	-.02952	.25542	.04482	-.06422	-.06103	-.06147	-.07495	-.06144	.10166
3.900	3.778	-.02146	.04264	.25084	.02124	-.06584	-.06211	-.06255	-.07495	-.06036	.09896
3.900	5.819	-.02223	.12553	.24688	-.00765	-.06584	-.06211	-.06255	-.07281	-.05874	.12431
3.900	7.866	-.02268	.21148	.24237	-.03998	-.06477	-.06157	-.06201	-.07174	-.05713	.09569
3.900	9.906	-.02228	.29785	.23935	-.07037	-.06423	-.06157	-.06147	-.07013	-.05713	.05419
	GRADIENT	-.00016	.03752	-.00299	-.01170	-.00049	-.00058	-.00042	.00059	-.00019	-.00653

RUN NO. 0/ 0 RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CFORB	CFOMS	CFTC	CFSRB	CFSRBN	CFET
4.600	-9.895	-.01980	-.46051	.29824	.17230	-.03358	-.02819	-.03005	-.05350	-.02863	.25520
4.600	-7.857	-.01951	-.38899	.28491	.15281	-.03494	-.02977	-.03072	-.05349	-.02999	.18482
4.600	-5.825	-.01910	-.31724	.27203	.13274	-.03565	-.02948	-.03143	-.05350	-.03071	.20817
4.600	-3.793	-.01904	-.24699	.25958	.11190	-.03771	-.03154	-.03418	-.05486	-.03276	.18205
4.600	-1.760	-.01972	-.17442	.24869	.08986	-.03772	-.03225	-.03489	-.05350	-.03348	.11966
4.600	-.747	-.02043	-.13233	.24448	.07593	-.03842	-.03157	-.03421	-.05281	-.03349	.11922
4.600	.272	-.02069	-.09409	.24119	.06465	-.03842	-.03157	-.03352	-.05144	-.03279	.12305
4.600	1.279	-.02108	-.05574	.23757	.05370	-.03777	-.03093	-.03287	-.05009	-.03215	.11937
4.600	2.304	-.02073	-.01970	.23427	.04269	-.03982	-.03366	-.03569	-.05076	-.03419	.12300
4.600	4.336	-.02076	.04931	.22904	.02225	-.03981	-.03434	-.03529	-.05075	-.03279	.14311
4.600	6.355	-.02101	.12213	.22304	-.00328	-.04049	-.03502	-.03628	-.05006	-.03348	.09615
4.600	8.389	-.02091	.19579	.21623	-.03018	-.04119	-.03573	-.03767	-.05007	-.03418	.05946
4.600	10.421	-.02134	.28347	.21214	-.06324	-.03992	-.03595	-.03631	-.04802	-.03420	.04211
	GRADIENT	-.00022	.03673	-.00370	-.01111	-.00028	-.00031	-.00020	.00058	-.00000	-.00346

UPWT 1089/1119 (IA-44) CONFIGURATION 02/T4/57 (XH8017) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = 4.000 ELV-RI = 4.000
ELV-RO = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CFORB	CFOMS	CFTC	CFSRB	CFSRBN	CFET
1.600	-10.635	-.06497	-.77539	.46309	.29982	-.22388	-.24372	-.22242	-.32820	-.29077	-.26149
1.600	-8.537	-.06420	-.60601	.46148	.22848	-.22505	-.24317	-.22337	-.32690	-.28721	-.25577
1.600	-6.420	-.06695	-.44590	.45590	.16695	-.22156	-.23469	-.21827	-.32115	-.27797	-.24976
1.600	-4.621	-.06534	-.32116	.45140	.11998	-.21638	-.22522	-.21401	-.31444	-.27207	-.24854
1.600	-2.222	-.06314	-.17056	.44832	.06414	-.22024	-.22206	-.21909	-.31764	-.26707	-.25361
1.600	-1.171	-.06469	-.10405	.44760	.03976	-.22082	-.22050	-.21936	-.31853	-.26543	-.25602
1.600	-.106	-.06440	-.03364	.44638	.01451	-.22243	-.22059	-.21884	-.31981	-.26590	-.25519
1.600	.935	-.06525	.02529	.44539	-.00734	-.22441	-.22167	-.22052	-.32367	-.26668	-.25231
1.600	1.988	-.06505	.09789	.44404	-.03082	-.22359	-.22094	-.21969	-.32282	-.26646	-.24781
1.600	4.097	-.06376	.20892	.43871	-.08196	-.21388	-.21140	-.20939	-.33442	-.27715	-.23945
1.600	6.171	-.06565	.32550	.43772	-.12710	-.20931	-.20865	-.20513	-.33655	-.27593	-.22618
1.600	8.278	-.06447	.44990	.43843	-.17079	-.21208	-.21265	-.20729	-.33505	-.27535	-.22499
1.600	10.460	-.06277	.57514	.43564	-.20938	-.21455	-.21543	-.20975	-.34055	-.28116	-.22654
	GRADIENT	.00000	.05102	-.00135	-.02304	-.00003	.00124	.00033	-.00209	-.00039	.00188

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CFORB	CFOMS	CFTC	CFSRB	CFSRBN	CFET
2.000	-10.025	-.06582	-.70268	.42042	.27292	-.17282	-.18454	-.17584	-.25302	-.22659	-.19276
2.000	-7.951	-.06739	-.55285	.41410	.21053	-.17029	-.18191	-.17114	-.24814	-.22953	-.18948
2.000	-5.841	-.06536	-.40569	.40662	.15167	-.17187	-.18197	-.17354	-.23807	-.21519	-.19198
2.000	-4.054	-.06546	-.29920	.40256	.11216	-.17011	-.17813	-.17220	-.23663	-.20177	-.19041
2.000	-1.665	-.06607	-.16227	.39945	.06562	-.17204	-.17636	-.17321	-.24317	-.19906	-.18615
2.000	-.620	-.06666	-.10875	.39712	.04756	-.17294	-.17570	-.17411	-.24335	-.20022	-.18394
2.000	.429	-.06646	-.05263	.39468	.02862	-.17634	-.17726	-.17750	-.24428	-.20363	-.17932
2.000	1.474	-.06770	.00136	.39276	.00938	-.17861	-.17882	-.17978	-.24478	-.20192	-.17543
2.000	2.524	-.06683	.06222	.39059	-.01348	-.17918	-.17918	-.17973	-.24382	-.20002	-.16950
2.000	4.605	-.06612	.17407	.38793	-.06103	-.17583	-.17644	-.17545	-.24230	-.20438	-.17519
2.000	6.599	-.06654	.29846	.38929	-.11252	-.17831	-.17676	-.17732	-.24293	-.20223	-.17357
2.000	8.797	-.06561	.42734	.38869	-.15909	-.17616	-.17244	-.17610	-.24502	-.20379	-.16957
2.000	10.998	-.06545	.55237	.38608	-.19579	-.16979	-.16999	-.16812	-.24951	-.19764	-.16936
	GRADIENT	-.00012	.05438	-.00178	-.01979	-.00095	-.00003	-.00071	-.00059	-.00030	.00229

ORIGINAL PAGE IS OF POOR QUALITY

UPWT 1089/1119 (IA-44) CONFIGURATION 32/T4/S7 (XH8017) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA =	.000	ELV-LO =	.000
ELV-LI =	4.000	ELV-RI =	4.000
ELV-RO =	.000	RUDDER =	.000
SPOIRK =	.000	BOFLAP =	.000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CPORB	CPOMS	CPTC	CPSRB	CPSRBN	CPET
2.500	-10.922	-.01424	-.66800	.37934	.25949	-.13861	-.14112	-.13659	-.18753	-.16120	.14153
2.500	-8.812	-.01501	-.53174	.36898	.20474	-.13556	-.13918	-.13278	-.18490	-.16114	.11983
2.500	-6.728	-.01394	-.41365	.35938	.15671	-.13481	-.13918	-.13092	-.18379	-.15554	.09931
2.500	-4.639	-.01439	-.29119	.35565	.11080	-.13484	-.13920	-.13206	-.18158	-.15221	.08206
2.500	-2.564	-.01525	-.19254	.35235	.07982	-.13935	-.14335	-.13696	-.18345	-.15560	.07558
2.500	-1.523	-.01708	-.14099	.35203	.06492	-.13934	-.14297	-.13595	-.19307	-.15447	.08531
2.500	-.487	-.01812	-.09339	.35042	.05354	-.14050	-.14412	-.13885	-.18272	-.15338	.07922
2.500	.551	-.01741	-.05140	.34855	.04273	-.14161	-.14375	-.13997	-.18196	-.15301	.06357
2.500	1.593	-.01799	-.00863	.34446	.03036	-.14386	-.14525	-.14222	-.18235	-.15563	.05048
2.500	3.655	-.01993	.09698	.34011	-.00396	-.14767	-.14757	-.14529	-.18056	-.15384	.04239
2.500	5.736	-.02071	.19335	.33797	-.04482	-.14534	-.14561	-.14295	-.17902	-.15040	.05165
2.500	7.821	-.02320	.31263	.33795	-.09254	-.14905	-.14711	-.14743	-.17717	-.14592	.04681
2.500	9.911	-.02350	.43287	.33336	-.13847	-.14839	-.14495	-.14602	-.17611	-.14601	.04802
	GRADIENT	-.00064	.04522	-.00187	-.01333	-.00144	-.00097	-.00153	.00017	-.00012	-.00529

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CPORB	CPOMS	CPTC	CPSRB	CPSRBN	CPET
2.860	-10.613	-.01379	-.62557	.35844	.24317	-.11175	-.11047	-.10977	-.14254	-.12229	.20578
2.860	-8.545	-.01525	-.51821	.34920	.20334	-.11302	-.11215	-.11003	-.14460	-.12519	.16132
2.860	-6.454	-.01655	-.39975	.34207	.16174	-.11220	-.11215	-.10921	-.14338	-.12396	.12977
2.860	-4.382	-.01646	-.29338	.33142	.12600	-.11597	-.11798	-.11300	-.14627	-.12690	.10150
2.860	-2.306	-.01883	-.18778	.32442	.09071	-.11596	-.11796	-.11299	-.14423	-.12361	.08766
2.860	-1.276	-.01897	-.14341	.32194	.07759	-.11757	-.12049	-.11460	-.14503	-.12400	.08694
2.860	-.244	-.01975	-.10125	.32029	.05566	-.11797	-.12080	-.11592	-.14462	-.12359	.08411
2.860	.789	-.02033	-.05672	.31712	.05185	-.11798	-.11958	-.11624	-.14259	-.12319	.07301
2.860	1.820	-.02150	-.01125	.31497	.03611	-.11882	-.12001	-.11657	-.14220	-.12320	.05639
2.860	3.867	-.02163	.07212	.30994	.00558	-.12167	-.12245	-.11952	-.14178	-.12319	.05703
2.860	5.939	-.02359	.17561	.30734	-.03443	-.12043	-.12121	-.11746	-.13811	-.11744	.07264
2.860	8.012	-.02456	.28387	.30411	-.07746	-.12165	-.12294	-.11952	-.13608	-.11418	.06523
2.860	10.085	-.02387	.39372	.30034	-.11893	-.12207	-.12122	-.11911	-.13568	-.11592	.05549
	GRADIENT	-.00063	.04391	-.00253	-.01423	-.00067	-.00049	-.00081	.00055	.00038	-.00541

DRAFT 1089/1119 (IA-44) CONFIGURATION 02/04/57 (XH8017) (03 JAN 75)

REFERENCE DATA

SREF = 2699.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1299.3000 INCHES YMRP = .0000 IN. YT
BREF = 1299.3000 INCHES ZMRP = 490.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = 4.000 ELV-RI = 4.000
ELV-RO = .000 RUDDER = .000
SPOBRK = .000 DOFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CPDRB	CPDMS	CPTC	CPSRB	CPSRBN	CPET
3.900	-10.520	-.01643	-.50165	.30884	.18748	-.05857	-.05439	-.05429	-.08119	-.05426	.25646
3.900	-8.485	-.01721	-.42431	.29949	.16445	-.06132	-.05703	-.05748	-.08171	-.05799	.20571
3.900	-6.439	-.01821	-.34936	.29501	.14357	-.06239	-.05755	-.05854	-.08224	-.05905	.16219
3.900	-4.392	-.01925	-.26254	.27592	.11568	-.06184	-.05702	-.05592	-.08063	-.05905	.14978
3.900	-2.355	-.02051	-.18540	.26815	.09189	-.06292	-.05810	-.05800	-.07956	-.06067	.10774
3.900	-1.339	-.02049	-.15085	.26468	.08194	-.06236	-.05809	-.05854	-.07849	-.06013	.09644
3.900	-.311	-.02009	-.11314	.26099	.07016	-.05815	-.06133	-.05123	-.08063	-.06282	.08729
3.900	.714	-.02172	-.06902	.25905	.05624	-.06346	-.05971	-.05908	-.07698	-.06121	.09427
3.900	1.737	-.02085	-.03759	.25590	.04747	-.06615	-.06241	-.06177	-.07902	-.06228	.09377
3.900	3.777	-.02233	.04099	.25252	.02162	-.06551	-.06187	-.06123	-.07527	-.06013	.09320
3.900	5.817	-.02256	.11743	.24735	-.00465	-.06722	-.06349	-.06231	-.07527	-.05958	.12343
3.900	7.859	-.02337	.20539	.24282	-.03862	-.06562	-.06242	-.06232	-.07367	-.05798	.09938
3.900	9.899	-.02349	.29115	.23910	-.06849	-.06569	-.06349	-.06232	-.07367	-.05959	.04899
	GRADIENT	-.00033	.03799	-.00288	-.01144	-.00053	-.00069	-.00059	.00056	-.00020	-.00597

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CPDRB	CPDMS	CPTC	CPSRB	CPSRBN	CPET
4.600	-9.884	-.01690	-.46486	.30051	.17431	-.03407	-.02860	-.02779	-.05463	-.02844	.23722
4.600	-7.879	-.01782	-.38913	.29792	.15280	-.03341	-.02795	-.02713	-.05327	-.02848	.19148
4.600	-5.827	-.01789	-.32227	.27452	.13458	-.03514	-.02998	-.03055	-.05600	-.03120	.19517
4.600	-3.796	-.01909	-.24796	.26280	.11255	-.03583	-.02998	-.03055	-.05531	-.03120	.17105
4.600	-1.774	-.01948	-.18014	.25107	.09165	-.03888	-.03204	-.03261	-.05599	-.03326	.11183
4.600	-.752	-.01997	-.14418	.24577	.08095	-.04094	-.03410	-.03467	-.05736	-.03532	.10775
4.600	.275	-.01958	-.10601	.24231	.06971	-.04094	-.03410	-.03397	-.05530	-.03532	.11534
4.600	1.295	-.02092	-.05973	.24004	.05545	-.03959	-.03276	-.03263	-.05326	-.03397	.11516
4.600	2.301	-.02034	-.02987	.23598	.04706	-.04164	-.03480	-.03469	-.05462	-.03533	.11804
4.600	4.327	-.02072	.03792	.23065	.02632	-.04234	-.03550	-.03539	-.05394	-.03465	.14141
4.600	6.359	-.02150	.11742	.22479	-.00214	-.04097	-.03482	-.03470	-.05189	-.03397	.09243
4.600	8.394	-.02137	.18901	.21831	-.02764	-.04302	-.03688	-.03675	-.05394	-.03602	.06298
4.600	10.412	-.02224	.27441	.21380	-.05979	-.04099	-.03484	-.03402	-.04994	-.03398	.03934
	GRADIENT	-.00024	.03582	-.00385	-.01079	-.00051	-.00062	-.00050	.00029	-.00039	-.00231

UPWT 1088/1119 (IA-44) CONFIGURATION T4 (XHS018) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 TANK = 1.000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CFORB	CFOMS	CFTC	CFSRB	CFSRBN	CFET
2.860	-10.116	-.00105	-.17121	.14097	.02272	-.11081	-.12425	-.15598	-.09008	-.09797	-.15722
2.860	-8.098	-.00049	-.13462	.13771	.01643	-.11720	-.13251	-.15077	-.08978	-.09691	-.15276
2.860	-6.072	-.00029	-.10007	.13482	.01277	-.11646	-.13177	-.14181	-.08423	-.09058	-.14754
2.860	-4.051	.00005	-.07003	.13239	.01102	-.11271	-.12764	-.13805	-.05899	-.07224	-.14678
2.860	-2.027	.00012	-.03737	.13169	.00986	-.10417	-.12132	-.13658	-.05718	-.05911	-.14232
2.860	-1.019	.00068	-.02866	.13042	.01159	-.10390	-.12207	-.13659	-.05682	-.05700	-.14195
2.860	.004	-.00064	-.00972	.13138	.01114	-.09595	-.11459	-.13546	-.05644	-.05661	-.13971
2.860	1.006	.00026	.00009	.12968	.01238	-.09995	-.11824	-.13241	-.06035	-.06055	-.14115
2.860	2.026	.00039	.01217	.12908	.01305	-.09944	-.11711	-.13427	-.06254	-.06238	-.14039
2.860	4.045	.00042	.04041	.12793	.01428	-.10373	-.12202	-.13318	-.06969	-.07183	-.14079
2.860	6.070	.00058	.07297	.12750	.01295	-.10631	-.12349	-.13541	-.08783	-.09571	-.14489
2.860	8.096	.00096	.10482	.12733	.01151	-.11947	-.13441	-.14070	-.09514	-.10443	-.14904
2.860	10.128	.00090	.14575	.12973	.00675	-.12615	-.14111	-.14628	-.09905	-.10588	-.15164
	GRADIENT	.00004	.01340	-.00055	.00048	.00121	.00082	.00067	-.00040	-.00025	.00057

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CFORB	CFOMS	CFTC	CFSRB	CFSRBN	CFET
4.600	-9.478	-.00143	-.13390	.10915	.01087	-.09442	-.09490	-.10707	-.07446	-.08812	-.10906
4.600	-7.469	-.00134	-.10497	.10695	.00792	-.10007	-.09841	-.10960	-.07695	-.08750	-.11096
4.600	-5.454	-.00094	-.07771	.10436	.00643	-.10258	-.10029	-.11023	-.07882	-.08625	-.11159
4.600	-3.441	-.00091	-.04666	.10267	.00415	-.10447	-.10218	-.11024	-.07883	-.08437	-.11160
4.600	-1.435	-.00059	-.02107	.10051	.00433	-.10393	-.10343	-.10897	-.07633	-.07747	-.11095
4.600	-.421	-.00091	-.00683	.10044	.00413	-.10257	-.10216	-.10708	-.07446	-.07621	-.10970
4.600	.577	-.00034	.00162	.09820	.00507	-.10321	-.10344	-.10719	-.07571	-.07810	-.11035
4.600	1.595	-.00059	.01951	.09757	.00325	-.10191	-.10216	-.10520	-.07508	-.07934	-.10845
4.600	2.603	-.00015	.02608	.09598	.00466	-.10320	-.10343	-.10709	-.07945	-.08374	-.10971
4.600	4.609	-.00009	.05165	.09595	.00486	-.10320	-.10343	-.10546	-.08131	-.08562	-.10846
4.600	6.619	-.00005	.08083	.09623	.00308	-.10509	-.10405	-.10547	-.08104	-.08437	-.10847
	GRADIENT	.00010	.01215	-.00092	.00006	.00017	-.00012	.00049	-.00040	-.00049	.00039

UPWT 1088/1119 (IA-44) CONFIGURATION T4 (XH8D19) (03 JAN 75)

REFERENCE DATA

SREF = 2699.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

ALPHA = .000 TANK = 1.000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CLM	CPDRB	CPDMS	CPTC	CPSRB	CPSRBN	CPET
2.860	-10.133	-.00082	-.01877	.13289	.01321	-.11531	-.12875	-.15300	-.09791	-.10286	-.15835
2.860	-8.118	-.00128	-.01577	.13228	.01241	-.11199	-.12757	-.14928	-.09203	-.09507	-.15500
2.860	-6.082	-.00836	-.01395	.13148	.01186	-.10978	-.12758	-.14182	-.08094	-.08278	-.14904
2.860	-4.052	-.00952	-.01331	.13045	.01147	-.10526	-.12429	-.13545	-.06826	-.06590	-.14380
2.860	-2.010	-.01070	-.01376	.12999	.01184	-.09657	-.11120	-.13058	-.05527	-.05357	-.14043
2.860	.001	-.01191	-.01314	.13062	.01178	-.09741	-.11530	-.13518	-.05711	-.05728	-.14080
2.860	2.013	-.01190	-.01149	.13074	.01092	-.09109	-.10262	-.13293	-.05417	-.05582	-.14044
2.860	4.045	-.01403	-.01202	.13106	.01091	-.10541	-.12207	-.13771	-.05905	-.06335	-.14397
2.860	6.094	-.01172	-.01144	.13212	.01032	-.09221	-.09926	-.14180	-.07309	-.08197	-.15014
2.860	8.124	-.01023	-.01077	.13241	.01011	-.10305	-.11459	-.14816	-.08239	-.09171	-.15575
2.860	10.241	-.00123	-.01127	.13131	.00934	-.11498	-.13738	-.15553	-.08943	-.09917	-.16050
	GRADIENT	-.00051	.00024	.00010	-.00012	.00016	.00054	-.00033	.00097	.00014	.00007

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CLM	CPDRB	CPDMS	CPTC	CPSRB	CPSRBN	CPET
4.600	-10.056	.58030	.00226	.10184	.00370	-.10696	-.10593	-.11022	-.08754	-.09189	-.11033
4.600	-8.067	.57594	.00283	.10087	.00333	-.10696	-.10594	-.11086	-.08754	-.09189	-.11222
4.600	-6.063	.57291	.00160	.10030	.00408	-.10697	-.10658	-.11087	-.08693	-.09127	-.11150
4.600	-4.011	.57091	.00221	.09893	.00432	-.10508	-.10594	-.10897	-.08256	-.08688	-.11034
4.600	-1.999	.57706	.00290	.09874	.00442	-.10508	-.10594	-.10897	-.08069	-.08374	-.11034
4.600	.000	.57439	-.00032	.09789	.00559	-.10574	-.10723	-.10901	-.07821	-.08124	-.11100
4.600	1.982	.58041	.00404	.09911	.00444	-.10322	-.10470	-.10774	-.07696	-.08124	-.11035
4.600	4.059	.58621	.00462	.09845	.00429	-.10447	-.10459	-.10773	-.07945	-.08553	-.11035
4.600	6.056	.58552	.00511	.09890	.00353	-.10534	-.10532	-.10899	-.07945	-.08751	-.11035
4.600	8.091	.58645	.00746	.09896	.00195	-.10790	-.10595	-.11024	-.07945	-.08939	-.11160
4.600	10.171	.58819	.00988	.09971	.00080	-.10759	-.10594	-.11086	-.07571	-.08001	-.11222
	GRADIENT	.00090	.00030	-.00003	-.00000	.00015	.00019	.00018	.00049	.00024	-.00002

UPWT 1088/1119 (IA-44) CONFIGURATION 32/T4 (XH8020) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
STORK = .000 DEFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CPORB	CPOMS	CPTC	CPSRB	CPSRBN	CPET
2.500	-10.702	-.00050	-.43382	.28893	.21037	-.18424	-.18247	-.18074	-.17790	-.18273	-.21385
2.500	-8.648	.00201	-.34703	.28314	.17244	-.18651	-.18519	-.18197	-.17970	-.18544	-.21419
2.500	-6.591	.00253	-.26950	.27661	.13775	-.18597	-.18691	-.17974	-.18175	-.18548	-.20977
2.500	-4.535	.00342	-.19845	.27063	.10716	-.18051	-.18554	-.17463	-.17835	-.18240	-.20571
2.500	-2.502	.00302	-.13194	.26526	.07845	-.17611	-.18351	-.17280	-.17769	-.17935	-.20401
2.500	-1.463	.00147	-.09415	.26349	.06208	-.17451	-.17952	-.17270	-.17846	-.17943	-.19954
2.500	-.450	.00238	-.06285	.26129	.04835	-.17578	-.17910	-.17431	-.18142	-.18106	-.19486
2.500	.567	.00403	-.03651	.25795	.03794	-.17712	-.17943	-.17599	-.18241	-.18274	-.19315
2.500	1.601	.00304	.00016	.25693	.02159	-.17912	-.18076	-.17698	-.18340	-.18408	-.19076
2.500	3.649	.00273	.07323	.25246	-.01102	-.17981	-.18145	-.17632	-.18071	-.18307	-.18465
2.500	5.697	.00423	.13501	.24790	-.03834	-.17915	-.17909	-.17802	-.18207	-.18545	-.18399
2.500	7.739	.00214	.20545	.24573	-.06866	-.17547	-.17369	-.17399	-.17909	-.18345	-.18063
2.500	9.794	.00092	.27514	.24226	-.09610	-.17275	-.17131	-.17128	-.17436	-.18210	-.17452
	GRADIENT	-.00000	.03278	-.00221	-.01423	.00000	.00051	-.00044	-.00058	-.00036	.00271

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CPORB	CPOMS	CPTC	CPSRB	CPSRBN	CPET
2.860	-10.448	-.00103	-.41768	.27748	.19733	-.15504	-.15353	-.15199	-.14582	-.15305	-.17712
2.860	-8.400	-.00005	-.34124	.27217	.16659	-.15834	-.15970	-.15679	-.15019	-.15822	-.17937
2.860	-6.347	.00026	-.26693	.26459	.13573	-.15694	-.15945	-.15379	-.15093	-.15747	-.18087
2.860	-4.296	-.00032	-.20097	.25652	.10946	-.15535	-.15983	-.15192	-.14722	-.15599	-.18087
2.860	-2.259	-.00059	-.13434	.24979	.08127	-.15385	-.15871	-.15192	-.14537	-.15561	-.17676
2.860	-1.243	-.00059	-.10414	.24694	.06871	-.15460	-.15833	-.15267	-.14695	-.15635	-.17564
2.860	-.231	.00014	-.07731	.24392	.05769	-.15723	-.16059	-.15567	-.15058	-.15935	-.17377
2.860	.791	.00007	-.04597	.24161	.04477	-.15873	-.16208	-.15792	-.15355	-.16160	-.15929
2.860	1.821	.00009	-.01349	.23952	.03181	-.16134	-.16470	-.15990	-.15541	-.16384	-.16630
2.860	3.853	-.00035	.04901	.23486	.00562	-.16433	-.16657	-.16241	-.15578	-.16459	-.16033
2.860	5.901	-.00050	.11590	.23070	-.02307	-.16470	-.16545	-.16241	-.15504	-.16571	-.15659
2.860	7.939	-.00112	.18113	.22784	-.05048	-.16209	-.16321	-.16092	-.15393	-.16609	-.15510
2.860	9.982	-.00151	.24773	.22504	-.07771	-.15985	-.15984	-.15755	-.14698	-.16235	-.15062
	GRADIENT	.00005	.03038	-.00264	-.01258	-.00129	-.00100	-.00147	-.00143	-.00131	.00256

UPWT 1088/1119 (IA-44) CONFIGURATION 02/T4 (XH8020) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPOBRK = .000 SDFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CFORB	CFOMS	CFTC	CFSRB	CFSRBN	CFET
3.900	-10.429	-.00232	-.33276	.23869	.13742	-.11867	-.11332	-.11473	-.10817	-.11958	-.12523
3.900	-8.399	-.00219	-.27971	.23341	.12047	-.11958	-.11433	-.11574	-.11014	-.11959	-.12525
3.900	-6.377	-.00228	-.22481	.22646	.10265	-.11957	-.11432	-.11622	-.11161	-.11859	-.12525
3.900	-4.348	-.00201	-.17351	.21500	.08313	-.12060	-.11625	-.11716	-.11157	-.11904	-.12715
3.900	-2.319	-.00245	-.12131	.20591	.06447	-.12059	-.11673	-.11715	-.11059	-.11903	-.12763
3.900	-1.301	-.00335	-.09191	.20280	.05397	-.11953	-.11575	-.11619	-.10963	-.11805	-.12567
3.900	-.295	-.00246	-.06997	.19917	.04590	-.11962	-.11625	-.11716	-.11060	-.11854	-.12665
3.900	.721	-.00252	-.04500	.19679	.03760	-.12109	-.11723	-.11765	-.11060	-.11953	-.12617
3.900	1.741	-.00288	-.01994	.19512	.02975	-.12206	-.11820	-.11862	-.11156	-.12099	-.12467
3.900	3.760	-.00248	.02673	.19055	.01303	-.12500	-.12115	-.12010	-.11547	-.12394	-.12369
3.900	5.789	-.00250	.07937	.18537	-.00743	-.12550	-.12116	-.12158	-.11303	-.12444	-.12272
3.900	7.816	-.00160	.13259	.18173	-.02894	-.12599	-.12165	-.12257	-.11010	-.12542	-.12026
3.900	9.845	-.00230	.19629	.18101	-.05395	-.12452	-.12067	-.12050	-.10522	-.12345	-.11633
	GRADIENT	-.00004	.02468	-.00294	-.00860	-.00052	-.00055	-.00038	-.00043	-.00059	.00048

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CFORB	CFOMS	CFTC	CFSRB	CFSRBN	CFET
4.600	-9.827	-.00031	-.32280	.23715	.13687	-.10978	-.10512	-.10728	-.10381	-.11282	-.11501
4.600	-7.816	-.00029	-.27847	.23008	.12443	-.11427	-.10871	-.10925	-.10763	-.11505	-.11763
4.600	-5.794	-.00092	-.21804	.22041	.10312	-.11296	-.10804	-.10859	-.10759	-.11349	-.11569
4.600	-3.767	-.00054	-.17426	.20625	.08699	-.11551	-.10933	-.11050	-.10825	-.11416	-.11761
4.600	-1.752	-.00033	-.12686	.19337	.06878	-.11614	-.10959	-.11176	-.10897	-.11541	-.11824
4.600	-.735	-.00097	-.09290	.19050	.05657	-.11485	-.10931	-.11048	-.10697	-.11413	-.11695
4.600	.265	-.00041	-.07440	.18580	.05132	-.11742	-.11188	-.11242	-.10989	-.11670	-.11827
4.600	1.279	-.00089	-.05194	.18256	.04457	-.11740	-.11248	-.11302	-.10950	-.11667	-.11824
4.600	2.294	-.00100	-.02941	.17997	.03849	-.11545	-.10991	-.11171	-.10929	-.11419	-.11693
4.600	4.307	-.00061	.01346	.17452	.02520	-.11738	-.11184	-.11239	-.10948	-.11656	-.11634
4.600	6.327	.00003	.05975	.16914	.00788	-.11927	-.11310	-.11490	-.10886	-.11855	-.11571
4.600	8.349	-.00016	.10910	.16525	-.01052	-.11858	-.11251	-.11431	-.10326	-.11733	-.11323
4.600	10.372	-.00026	.16752	.16325	-.03365	-.11800	-.11183	-.11299	-.09985	-.11655	-.11067
	GRADIENT	-.00004	.02327	-.00381	-.00754	-.00020	-.00028	-.00023	-.00014	-.00023	.00015

ORIGINAL PAGE IS
OF POOR QUALITY

UPWT 1098/1119 (IA-44) CONFIGURATION OB/T4 (XH8021) (03 JAN 75)

REFERENCE DATA

SREF = 2699.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1299.3000 INCHES YMRP = .0000 IN. YT
BREF = 1299.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

ALPHA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPDBRK = .000 BOFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CLM	CFORB	CFOMS	CFTC	CFSRB	CFSRBN	CFET
2.860	-10.306	-.22371	-.06149	.24984	.03929	-.18000	-.17367	-.17651	-.16172	-.18103	-.16705
2.860	-8.256	-.23269	-.06558	.24765	.04486	-.17925	-.17480	-.17587	-.15320	-.18065	-.16892
2.860	-6.190	-.22265	-.07015	.24707	.04893	-.17515	-.17405	-.17288	-.15839	-.17767	-.16854
2.860	-4.111	-.22249	-.07386	.24498	.05376	-.17067	-.17405	-.16839	-.16173	-.17281	-.16992
2.860	-2.020	-.21991	-.07582	.24441	.05702	-.16557	-.16994	-.16316	-.15616	-.16609	-.16780
2.860	-.019	-.21899	-.07273	.24224	.05463	-.15937	-.16209	-.15532	-.15098	-.16012	-.17004
2.860	2.040	-.21920	-.07432	.24320	.05514	-.15762	-.16022	-.15457	-.15060	-.15862	-.17004
2.860	4.119	-.21625	-.07052	.24426	.05101	-.16135	-.16059	-.15793	-.14985	-.16273	-.17004
2.860	6.197	-.22010	-.06947	.24437	.04928	-.16509	-.16584	-.16056	-.14432	-.16572	-.17190
2.860	8.262	-.22176	-.06578	.24582	.04524	-.16881	-.16994	-.16579	-.14024	-.16871	-.17563
2.860	10.372	-.22691	-.06066	.24639	.04042	-.17366	-.17368	-.16989	-.13689	-.17244	-.17936
	GRADIENT	.00064	.00040	-.00013	-.00036	.00134	.00178	.00143	.00143	.00134	-.00022

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CLM	CFORB	CFOMS	CFTC	CFSRB	CFSRBN	CFET
3.900	-10.203	-.27881	-.06204	.21358	.03647	-.12842	-.12065	-.12500	-.12033	-.12785	-.11288
3.900	-8.161	-.28431	-.06867	.20893	.04157	-.12992	-.12215	-.12601	-.11840	-.12886	-.11486
3.900	-6.133	-.28893	-.07367	.20528	.04645	-.12894	-.12165	-.12601	-.11547	-.12788	-.11683
3.900	-4.076	-.29584	-.07158	.20445	.04778	-.12690	-.12018	-.12257	-.11450	-.12444	-.11781
3.900	-2.023	-.29223	-.08298	.20117	.05494	-.12549	-.12164	-.12206	-.11595	-.12393	-.12221
3.900	-.020	-.28919	-.07977	.20003	.05387	-.12304	-.12017	-.11961	-.11303	-.12148	-.12321
3.900	2.003	-.29873	-.07838	.20200	.05417	-.12162	-.12022	-.11857	-.11111	-.12005	-.12424
3.900	4.065	-.28582	-.07406	.20433	.05096	-.12162	-.11972	-.11916	-.10817	-.12005	-.12375
3.900	6.123	-.28451	-.06987	.20650	.04739	-.12504	-.12169	-.12112	-.10377	-.12348	-.12472
3.900	8.163	-.29703	-.07005	.20835	.04506	-.12947	-.12413	-.12455	-.10377	-.12790	-.12618
3.900	10.288	-.29442	-.06388	.21217	.04101	-.12845	-.12462	-.12307	-.09986	-.12691	-.12519
	GRADIENT	.00019	-.00002	.00003	.00023	.00052	.00011	.00050	.00086	.00062	-.00058

UPWT 1089/1119 (IA-44) CONFIGURATION 02/14 (XH8021) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. X
LREF = 1230.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

ALPHA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CLM	CFORB	CFOHS	CFTC	CFSRB	CFSRBN	CPET
4.600	-10.135	.26484	-.05878	.20364	.03798	-.12051	-.11309	-.11551	-.11510	-.11916	-.10627
4.600	-8.139	.26131	-.06464	.19912	.04242	-.11985	-.11306	-.11549	-.11195	-.11913	-.10687
4.600	-6.084	.26816	-.05869	.19447	.04518	-.12051	-.11372	-.11551	-.10822	-.11916	-.11130
4.600	-4.055	.26590	-.07086	.19040	.04891	-.11924	-.11244	-.11550	-.10946	-.11789	-.11254
4.600	-2.012	.25796	-.07548	.18644	.05101	-.11991	-.11437	-.11554	-.11200	-.11856	-.11635
4.600	-.019	.27207	-.07616	.18552	.05208	-.11800	-.11372	-.11425	-.10947	-.11602	-.11570
4.600	2.013	.27309	-.07322	.18687	.05096	-.11737	-.11309	-.11299	-.10985	-.11602	-.11635
4.600	4.045	.27616	-.06670	.19036	.04803	-.11735	-.11244	-.11299	-.10634	-.11537	-.11568
4.600	6.095	.26915	-.06397	.19420	.04620	-.11798	-.11370	-.11361	-.10196	-.11663	-.11568
4.600	8.143	.26794	-.06133	.19755	.04365	-.11861	-.11379	-.11424	-.09697	-.11726	-.11568
4.600	10.236	.26895	-.05682	.20163	.04014	-.11998	-.11435	-.11498	-.08823	-.11853	-.11507
	GRADIENT	.00117	.00052	.00092	-.00039	.00031	.00006	.00037	.00046	.00037	-.00031

UFWT 1989/1119 (IA-44) CONFIGURATION 02/I4/S7 (XH8022) (01 MAY 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3999 INCHES YMRP = .0000 IN. YT
BREF = 1290.3999 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = .000

RUN NO. 0/ 0 BN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CFORB	CFOMS	CFTC	CFSRB	CFSRBN	CFET
2.000	-10.004	-.06639	-.68577	.41199	.26728	-.17698	-.18420	-.17172	-.25101	-.23256	-.21163
2.000	-7.928	-.06741	-.53903	.40282	.20702	-.17292	-.18167	-.16736	-.24635	-.23376	-.20572
2.000	-5.833	-.06685	-.39857	.39449	.15196	-.17033	-.18031	-.16845	-.23609	-.21546	-.20531
2.000	-4.042	-.06759	-.28574	.39253	.11069	-.17064	-.18031	-.17185	-.23733	-.20372	-.20253
2.000	-1.662	-.06631	-.16128	.38902	.06920	-.17128	-.17663	-.17342	-.24321	-.20406	-.20194
2.000	-.604	-.06814	-.10037	.38631	.04850	-.17160	-.17602	-.17374	-.24291	-.20499	-.19917
2.000	.441	-.06793	-.04511	.38477	.03017	-.17316	-.17665	-.17560	-.24631	-.20562	-.19640
2.000	1.477	-.06759	.00428	.38266	.01316	-.17592	-.17912	-.17805	-.24661	-.20715	-.19422
2.000	2.519	-.06738	.05920	.37950	-.00754	-.17694	-.18014	-.17938	-.24513	-.20507	-.19091
2.000	4.605	-.06746	.17279	.37788	-.05717	-.17344	-.17477	-.17496	-.24136	-.20622	-.19545
2.000	6.699	-.06884	.29513	.38016	-.10680	-.17354	-.17795	-.17321	-.24265	-.20475	-.19337
2.000	8.807	-.06957	.42496	.37907	-.15349	-.16829	-.17145	-.16998	-.24418	-.20536	-.18780
2.000	10.993	-.06939	.54971	.37624	-.19027	-.16403	-.16842	-.16432	-.24761	-.20016	-.18662
	GRADIENT	-.00002	.05281	-.00176	-.01908	-.00060	.00028	-.00064	-.00055	-.00032	.00123

GPWT 1088/1119 (IA-44) CONFIGURATION 32/T4/S7 (XH8023) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1299.3000 INCHES YMRP = .0000 IN. YT
BREF = 1299.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

ALPHA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CLM	CFORB	CFOMS	CFTC	CFSRB	CFSRBN	CFET
1.600	-10.468	-.13501	-.04596	.45372	.00886	-.26039	-.27405	-.25773	-.37004	-.34087	-.26900
1.600	-8.447	-.12768	-.04152	.45364	.01052	-.25060	-.25724	-.24551	-.36384	-.33307	-.27264
1.600	-6.337	-.12913	-.04368	.45201	.01359	-.24194	-.24732	-.23686	-.36120	-.31765	-.26882
1.600	-4.236	-.13125	-.04594	.44671	.01749	-.22453	-.23288	-.21643	-.35221	-.29903	-.27024
1.600	-2.143	-.13932	-.05247	.44290	.02354	-.22037	-.22108	-.21865	-.33442	-.27928	-.26488
1.600	-.067	-.12315	-.04728	.44168	.02253	-.21648	-.21900	-.21294	-.31832	-.26441	-.26890
1.600	2.012	-.12561	-.04981	.44065	.02120	-.21859	-.22305	-.22052	-.29707	-.25078	-.25190
1.600	4.168	-.11719	-.04069	.44357	.01605	-.23119	-.23285	-.23007	-.28005	-.23619	-.25223
1.600	6.189	-.12690	-.04175	.44596	.01481	-.24260	-.24482	-.24167	-.26928	-.22037	-.26116
1.600	8.313	-.13211	-.04967	.44709	.01652	-.25560	-.26154	-.25405	-.26482	-.21959	-.27083
1.600	10.477	-.12982	-.05091	.44816	.01509	-.26032	-.26882	-.26282	-.26995	-.22299	-.27810
	GRADIENT	.00200	.00053	-.00040	-.00025	-.00057	-.00010	-.00140	.00867	.00726	.00234

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CLM	CFORB	CFOMS	CFTC	CFSRB	CFSRBN	CFET
2.000	-10.457	.42320	-.04504	.39277	.02035	-.19923	-.21951	-.19950	-.26062	-.23540	-.20153
2.000	-8.372	.43415	-.04001	.39389	.02055	-.19707	-.21363	-.19887	-.25722	-.23231	-.20396
2.000	-6.305	.43184	-.04240	.39123	.02362	-.19430	-.20655	-.19611	-.25425	-.22744	-.20030
2.000	-4.215	.43547	-.04513	.38919	.02718	-.18379	-.19259	-.18468	-.25918	-.22186	-.20151
2.000	-2.127	.43359	-.05064	.38619	.03239	-.18086	-.18593	-.18299	-.25526	-.21334	-.19856
2.000	-.071	.43827	-.05090	.38441	.03302	-.17316	-.17634	-.17468	-.24600	-.20531	-.19549
2.000	2.022	.43500	-.04766	.38486	.03109	-.17502	-.17914	-.17777	-.23305	-.19545	-.19641
2.000	4.082	.43489	-.04485	.38894	.02694	-.18853	-.19177	-.18911	-.22036	-.18120	-.19544
2.000	6.173	.43984	-.04299	.39850	.02386	-.19599	-.19924	-.19585	-.21114	-.17970	-.19980
2.000	8.238	.44094	-.04492	.39925	.02405	-.20613	-.21130	-.20762	-.19941	-.16457	-.20412
2.000	10.429	.44780	-.04629	.39050	.02438	-.21659	-.22148	-.21552	-.19752	-.15990	-.20594
	GRADIENT	.00001	.00017	-.00010	-.00009	-.00017	.00041	-.00018	.00481	.00479	.00069

UFWT 1088/1119 (IA-44) CONFIGURATION 02/T4/S7 (XH8024) (03 JAN 75)

REFERENCE DATA

SREF = 2695.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = -8.000
ELV-LI = 8.000 ELV-RI = 8.000
ELV-RO = -8.000 RUDDER = .000
SPDBRK = .000 SDFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CFORB	CFOMS	CFTC	CFSRB	CFSRBN	CFET
2.500	-10.921	-.00312	-.66132	.37825	.25748	-.17556	-.17414	-.17376	-.20342	-.20499	-.19704
2.500	-8.818	-.00136	-.52452	.37096	.20310	-.17114	-.17141	-.16933	-.20072	-.20363	-.18922
2.500	-6.733	-.00050	-.40110	.36204	.15553	-.17250	-.17346	-.17070	-.20072	-.19785	-.18413
2.500	-4.641	.00059	-.28375	.35669	.11117	-.17555	-.17652	-.17409	-.20038	-.19343	-.18073
2.500	-2.562	.00187	-.17428	.35385	.07500	-.17790	-.17853	-.17611	-.19969	-.19171	-.17731
2.500	-1.526	.00144	-.12880	.35179	.06307	-.18064	-.18093	-.17987	-.20139	-.19240	-.17630
2.500	-.495	.00210	-.09088	.34872	.05413	-.18302	-.18264	-.18225	-.20207	-.19275	-.17393
2.500	.544	.00184	-.04486	.34714	.04083	-.18358	-.18330	-.18292	-.20037	-.19137	-.17197
2.500	1.587	.00212	-.00308	.34327	.02833	-.18343	-.18169	-.18335	-.19908	-.19145	-.16995
2.500	3.651	.00339	.09471	.34086	-.00729	-.18508	-.18198	-.18432	-.19837	-.18937	-.16921
2.500	5.724	.00172	.20116	.33907	-.04881	-.18373	-.17893	-.18161	-.19770	-.18666	-.16718
2.500	7.809	.00161	.31760	.33838	-.09459	-.19188	-.18709	-.19079	-.19703	-.18224	-.16141
2.500	9.897	.00159	.43228	.33303	-.13859	-.18950	-.19265	-.19772	-.19567	-.18325	-.15597
	GRADIENT	.00028	.04457	-.00205	-.01354	-.00120	-.00070	-.00134	.00024	.00041	.00150

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CFORB	CFOMS	CFTC	CFSRB	CFSRBN	CFET
2.860	-10.618	-.00303	-.61995	.35894	.24469	-.15259	-.14884	-.14954	-.16445	-.17452	-.16912
2.860	-8.533	-.00287	-.49985	.34912	.19863	-.15222	-.15109	-.14955	-.16519	-.17340	-.16539
2.860	-6.462	-.00099	-.38692	.34035	.15631	-.15521	-.15372	-.15292	-.16631	-.16967	-.16166
2.860	-4.387	-.00010	-.28057	.33077	.11877	-.15856	-.15745	-.15656	-.16853	-.16929	-.16091
2.860	-2.315	-.00031	-.18074	.32514	.08724	-.15931	-.15907	-.15952	-.16742	-.16705	-.15494
2.860	-1.282	-.00118	-.13335	.32347	.07295	-.15819	-.15969	-.15915	-.16557	-.16481	-.15158
2.860	-.257	-.00048	-.09527	.32052	.06307	-.15931	-.15970	-.16002	-.16520	-.16444	-.14973
2.860	.775	.00025	-.05500	.31719	.05193	-.16006	-.15970	-.16040	-.16520	-.16258	-.14936
2.860	1.813	-.00030	-.01164	.31385	.03775	-.15006	-.15933	-.15928	-.16335	-.16257	-.14786
2.860	3.864	-.00012	.07844	.31154	.00423	-.16193	-.15120	-.15115	-.16261	-.15922	-.14527
2.860	5.930	-.00119	.18085	.30854	-.03402	-.16091	-.16008	-.15929	-.16002	-.15437	-.14266
2.860	8.000	-.00111	.28185	.30549	-.07300	-.16379	-.16157	-.16301	-.15990	-.15287	-.13481
2.860	10.079	-.00040	.39622	.30051	-.11652	-.16343	-.15009	-.16153	-.15410	-.15065	-.12777
	GRADIENT	.00003	.04277	-.00244	-.01334	-.00039	-.00031	-.00050	.00074	.00119	.00192

OFWT 1088/1119 (IA-44) CONFIGURATION 02/14/57 (XH8024) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 975.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = -8.000
ELV-LI = 8.000 ELV-RI = 8.000
ELV-RO = -8.000 RUDDER = .000
SPDBRK = .000 BDFLAP = .000

RUN NO. 9/ 9 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CPORB	CPOMS	CPTC	CPSRB	CPSRBN	CPET
3.900	-10.526	-.00152	-.49542	.30919	.18883	-.11448	-.11015	-.11155	-.11370	-.12473	-.11563
3.900	-8.485	-.00186	-.41707	.29976	.16554	-.11596	-.11015	-.11401	-.11566	-.12572	-.11564
3.900	-6.437	-.00180	-.33830	.28825	.14269	-.11743	-.11211	-.11549	-.11663	-.12473	-.11612
3.900	-4.395	-.00159	-.25689	.27716	.11672	-.11792	-.11310	-.11549	-.11664	-.12424	-.11711
3.900	-2.359	-.00109	-.18002	.26998	.09241	-.11940	-.11458	-.11697	-.11811	-.12376	-.11711
3.900	-1.335	-.00123	-.14194	.26719	.08137	-.11940	-.11458	-.11697	-.11762	-.12278	-.11613
3.900	-.320	-.00078	-.11019	.26362	.07249	-.12037	-.11703	-.11794	-.11761	-.12276	-.11514
3.900	.705	-.00076	-.07694	.26021	.06379	-.12037	-.11703	-.11794	-.11663	-.12080	-.11367
3.900	1.728	-.00080	-.04093	.25792	.05323	-.12038	-.11704	-.11795	-.11566	-.11932	-.11416
3.900	3.763	-.00113	.04079	.25378	.02491	-.12136	-.11704	-.11893	-.11468	-.11736	-.11170
3.900	5.806	-.00076	.12341	.24920	-.00498	-.12283	-.11900	-.12090	-.11322	-.11687	-.11023
3.900	7.852	-.00079	.20870	.24470	-.03624	-.12335	-.11852	-.11992	-.10980	-.11539	-.10581
3.900	9.896	-.00009	.29556	.24108	-.06671	-.12087	-.11654	-.11795	-.10833	-.11588	-.10040
	GRADIENT	.00007	.03579	-.00291	-.01081	-.00039	-.00054	-.00039	.00032	.00090	.00079

RUN NO. 9/ 9 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CPORB	CPOMS	CPTC	CPSRB	CPSRBN	CPET
4.600	-9.899	-.00151	-.46685	.30200	.19021	-.10572	-.10145	-.10199	-.10528	-.11444	-.10531
4.600	-7.871	-.00093	-.39569	.29012	.16507	-.10825	-.10273	-.10453	-.10717	-.11572	-.10721
4.600	-5.834	-.00091	-.31842	.27722	.13737	-.10887	-.10272	-.10577	-.10779	-.11571	-.10720
4.600	-3.802	-.00076	-.23963	.26529	.11163	-.11140	-.10589	-.10768	-.10968	-.11636	-.10911
4.600	-1.771	-.00128	-.15977	.25584	.08489	-.11011	-.10397	-.10639	-.10778	-.11381	-.10719
4.600	-.755	-.00083	-.12791	.24971	.07578	-.11140	-.10589	-.10831	-.10906	-.11365	-.10848
4.600	.261	-.00077	-.09709	.24514	.06816	-.11202	-.10651	-.10830	-.11030	-.11383	-.10910
4.600	1.274	-.00028	-.06802	.24042	.06133	-.11393	-.10779	-.11021	-.11094	-.11323	-.10975
4.600	2.284	-.00010	-.03351	.23730	.05059	-.11392	-.10841	-.11020	-.11031	-.11259	-.10974
4.600	4.319	-.00090	.04779	.23341	.02346	-.11326	-.10713	-.10955	-.10904	-.11059	-.10783
4.600	6.351	-.00077	.13054	.22747	-.00673	-.11329	-.10778	-.10957	-.10781	-.10944	-.10597
4.600	8.385	-.00032	.20513	.22192	-.03244	-.11328	-.10777	-.11019	-.10530	-.10943	-.10232
4.600	10.415	-.00047	.29092	.21693	-.06453	-.11201	-.10650	-.10829	-.10529	-.10942	-.09957
	GRADIENT	.00006	.03425	-.00408	-.01022	-.00041	-.00037	-.00040	-.00010	.00060	-.00093

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JPWT 1038/1119 (IA-44) CONFIGURATION T4/97 (YH0001) (03 JAN 75)

REFERENCE DATA

SREF = 2639.0000 SQ.FT. XMRP = 376.0000 IN. XT
LREF = 1200.3000 INCHES YMRP = .0000 IN. YT
BREF = 1200.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 TANK = 1.000
SRB = 1.000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CSW	CTW	Q(PSF)
1.600	-10.222	-.04816	.00000	.00000	.00000	481.13672
1.600	-8.158	-.04730	.00000	.00000	.00000	481.51616
1.600	-6.080	-.04605	.00000	.00000	.00000	481.64264
1.600	-4.340	-.04500	.00000	.00000	.00000	481.43184
1.600	-1.973	-.04607	.00000	.00000	.00000	481.58480
1.600	-.339	-.04529	.00000	.00000	.00000	482.02209
1.600	.938	-.04558	.00000	.00000	.00000	482.35937
1.600	1.126	-.04507	.00000	.00000	.00000	482.19073
1.600	2.150	-.04517	.00000	.00000	.00000	481.81129
1.600	4.226	-.04433	.00000	.00000	.00000	481.60048
1.600	6.310	-.04347	.00000	.00000	.00000	481.68489
1.600	8.390	-.04228	.00000	.00000	.00000	481.76912
1.600	10.559	-.04101	.00000	.00000	.00000	481.68480
	GRADIENT	.00013	.00000	.00000	.00000	.02663

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CSW	CTW	Q(PSF)
2.000	-9.672	-.06160	.00000	.00000	.00000	474.65578
2.000	-7.637	-.06118	.00000	.00000	.00000	474.72735
2.000	-5.531	-.06074	.00000	.00000	.00000	474.65578
2.000	-3.822	-.06120	.00000	.00000	.00000	474.44197
2.000	-1.479	-.06231	.00000	.00000	.00000	474.62000
2.000	-.445	-.06130	.00000	.00000	.00000	474.65578
2.000	.592	-.06105	.00000	.00000	.00000	474.58421
2.000	1.630	-.06171	.00000	.00000	.00000	474.58421
2.000	2.630	-.06133	.00000	.00000	.00000	474.40529
2.000	4.737	-.06061	.00000	.00000	.00000	474.62000
2.000	6.752	-.06147	.00000	.00000	.00000	474.51264
2.000	8.843	-.06137	.00000	.00000	.00000	474.58421
2.000	11.052	-.06114	.00000	.00000	.00000	474.65573
	GRADIENT	.00000	.00000	.00000	.00000	.00559

GPWT 1038/1119 (IA-44) CONFIGURATION T4/S7 (FH3001) (03 JAN 75)

REFERENCE DATA

SREF = 2500.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1230.0000 INCHES YMRP = .0000 IN. YT
BREF = 1230.0000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 TANK = 1.000
SRB = 1.000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CBW	CTW	Q(PSF)
2.500	-10.503	-.01732	.00000	.00000	.00000	434.14723
2.500	-9.430	-.01717	.00000	.00000	.00000	434.78736
2.500	-8.376	-.01745	.00000	.00000	.00000	434.94192
2.500	-7.323	-.01649	.00000	.00000	.00000	434.50572
2.500	-2.264	-.01673	.00000	.00000	.00000	434.01920
2.500	-1.240	-.01752	.00000	.00000	.00000	434.50572
2.500	-.200	-.01742	.00000	.00000	.00000	434.17284
2.500	.812	-.01750	.00000	.00000	.00000	435.35971
2.500	1.840	-.01650	.00000	.00000	.00000	435.19707
2.500	3.887	-.01602	.00000	.00000	.00000	434.71056
2.500	5.949	-.01655	.00000	.00000	.00000	433.76315
2.500	8.007	-.01588	.00000	.00000	.00000	433.94239
2.500	10.075	-.01556	.00000	.00000	.00000	434.45450
	GRADIENT	.00006	.00000	.00000	.00000	.00325

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CBW	CTW	Q(PSF)
2.860	-10.251	-.01871	.00000	.00000	.00000	395.53853
2.860	-8.200	-.01871	.00000	.00000	.00000	395.53853
2.860	-6.147	-.01803	.00000	.00000	.00000	395.94300
2.860	-4.091	-.01910	.00000	.00000	.00000	395.82747
2.860	-2.048	-.01880	.00000	.00000	.00000	395.03328
2.860	-1.025	-.01845	.00000	.00000	.00000	395.63491
2.860	.001	-.01849	.00000	.00000	.00000	395.84672
2.860	1.019	-.01893	.00000	.00000	.00000	395.76975
2.860	2.038	-.01902	.00000	.00000	.00000	395.02933
2.860	4.082	-.01904	.00000	.00000	.00000	395.57714
2.860	6.140	-.01742	.00000	.00000	.00000	395.79370
2.860	8.183	-.01937	.00000	.00000	.00000	395.96226
2.860	10.211	-.01973	.00000	.00000	.00000	395.96226
	GRADIENT	.00025	.00000	.00000	.00000	-.02100

UPWT 1088/1119 (IA-44) CONFIGURATION T4/S7 (YH8001) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 TANK = 1.000
SRB = 1.000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CBW	CTW	Q(PSF)
3.900	-10.109	-.01967	.00000	.00000	.00000	300.71830
3.900	-8.073	-.01984	.00000	.00000	.00000	300.69424
3.900	-6.046	-.01928	.00000	.00000	.00000	300.60603
3.900	-4.005	-.01952	.00000	.00000	.00000	300.58999
3.900	-1.994	-.01983	.00000	.00000	.00000	300.59001
3.900	-.979	-.01909	.00000	.00000	.00000	300.76642
3.900	.048	-.01957	.00000	.00000	.00000	300.62207
3.900	1.056	-.01880	.00000	.00000	.00000	300.67820
3.900	2.077	-.01864	.00000	.00000	.00000	300.70226
3.900	4.104	-.01904	.00000	.00000	.00000	300.71028
3.900	6.136	-.01910	.00000	.00000	.00000	300.69424
3.900	8.170	-.01984	.00000	.00000	.00000	300.72632
3.900	10.205	-.01854	.00000	.00000	.00000	300.68622
	GRADIENT	.00011	.00000	.00000	.00000	.01412

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CBW	CTW	Q(PSF)
4.600	-9.544	-.01977	.00000	.00000	.00000	235.62823
4.600	-7.515	-.01954	.00000	.00000	.00000	235.56183
4.600	-5.488	-.01909	.00000	.00000	.00000	235.49544
4.600	-3.464	-.01984	.00000	.00000	.00000	235.69462
4.600	-1.443	-.01951	.00000	.00000	.00000	235.62823
4.600	-.433	-.01928	.00000	.00000	.00000	235.69462
4.600	.573	-.01856	.00000	.00000	.00000	235.62823
4.600	1.587	-.01907	.00000	.00000	.00000	235.69462
4.600	2.601	-.01915	.00000	.00000	.00000	235.69462
4.600	4.616	-.01890	.00000	.00000	.00000	235.56183
4.600	6.646	-.01909	.00000	.00000	.00000	235.75102
4.600	8.664	-.01955	.00000	.00000	.00000	235.49544
4.600	10.699	-.01919	.00000	.00000	.00000	235.75102
	GRADIENT	.00011	.00000	.00000	.00000	-.00939

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UPWT 1088/1119 (IA-44) CONFIGURATION T4/S7 (YH8002) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

ALPHA = .000 TANK = 1.000
SRB = 1.000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CNW	CSW	CTW	Q(PSF)
1.600	-10.228	.09911	.00000	.00000	.00000	481.64264
1.600	-8.204	.09419	.00000	.00000	.00000	481.66480
1.600	-6.162	.09284	.00000	.00000	.00000	481.43184
1.600	-4.128	.09001	.00000	.00000	.00000	481.05239
1.600	-2.044	.09088	.00000	.00000	.00000	481.13672
1.600	-.065	.09267	.00000	.00000	.00000	481.17988
1.600	1.972	.09789	.00000	.00000	.00000	481.13672
1.600	4.029	.09627	.00000	.00000	.00000	481.22104
1.600	6.083	.09563	.00000	.00000	.00000	481.17898
1.600	8.120	.09709	.00000	.00000	.00000	481.13672
1.600	10.265	.09112	.00000	.00000	.00000	481.17988
	GRADIENT	-.00052	.00000	.00000	.00000	.01662

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CNW	CSW	CTW	Q(PSF)
2.000	-10.223	.59728	.00000	.00000	.00000	474.62000
2.000	-8.219	.60107	.00000	.00000	.00000	474.62000
2.000	-6.178	.57919	.00000	.00000	.00000	474.54843
2.000	-4.145	.59826	.00000	.00000	.00000	474.54843
2.000	-2.079	.58591	.00000	.00000	.00000	474.76314
2.000	-.091	.57864	.00000	.00000	.00000	474.62000
2.000	1.994	.59457	.00000	.00000	.00000	474.44197
2.000	4.032	.58282	.00000	.00000	.00000	474.51264
2.000	6.097	.59506	.00000	.00000	.00000	474.40529
2.000	8.106	.59533	.00000	.00000	.00000	474.54843
2.000	10.212	.57405	.00000	.00000	.00000	474.59421
	GRADIENT	-.00064	.00000	.00000	.00000	-.01923

VPWT 1988/1119 (IA-44) CONFIGURATION T4/57 (YH8002) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

ALPHA = .000 TANK = 1.000
SRB = 1.000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CNW	CSW	CTW	Q(PSF)
2.860	-10.133	-.01397	.00000	.00000	.00000	396.30887
2.860	-8.118	-.01581	.00000	.00000	.00000	396.17408
2.860	-6.100	-.02041	.00000	.00000	.00000	396.03928
2.860	-4.052	-.01338	.00000	.00000	.00000	395.71193
2.860	-2.010	-.01445	.00000	.00000	.00000	395.76979
2.860	-.018	-.01287	.00000	.00000	.00000	396.27036
2.860	2.014	-.01556	.00000	.00000	.00000	396.57845
2.860	4.046	-.01347	.00000	.00000	.00000	396.39589
2.860	6.096	-.01108	.00000	.00000	.00000	396.28951
2.860	8.126	-.01059	.00000	.00000	.00000	396.52058
2.860	10.241	-.01075	.00000	.00000	.00000	396.32812
	GRADIENT	-.00006	.00000	.00000	.00000	.10659

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CNW	CSW	CTW	Q(PSF)
3.900	-10.092	.03912	.00000	.00000	.00000	300.78246
3.900	-8.107	.04008	.00000	.00000	.00000	300.80651
3.900	-6.080	.03858	.00000	.00000	.00000	300.57395
3.900	-4.040	.03847	.00000	.00000	.00000	300.83057
3.900	-2.005	.04077	.00000	.00000	.00000	300.86265
3.900	-.019	.04055	.00000	.00000	.00000	300.85463
3.900	2.006	.04031	.00000	.00000	.00000	300.87669
3.900	4.031	.04095	.00000	.00000	.00000	300.83057
3.900	6.073	.04373	.00000	.00000	.00000	300.79047
3.900	8.113	.04294	.00000	.00000	.00000	300.81453
3.900	10.199	.03925	.00000	.00000	.00000	300.87869
	GRADIENT	.00022	.00000	.00000	.00000	.00080

GPWT 1088/1119 (IA-44) CONFIGURATION T4/57 (YH8002) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

ALPHA = .000 TANK = 1.000
SRB = 1.000

RUN NO. 9/ 9 RNVL = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CNW	CBW	CTW	Q(PSF)
4.600	-10.087	.57008	.00000	.00000	.00000	235.55183
4.600	-8.070	.57166	.00000	.00000	.00000	235.76102
4.600	-6.066	.56890	.00000	.00000	.00000	235.49544
4.600	-4.031	.56912	.00000	.00000	.00000	235.69452
4.600	-1.992	.56687	.00000	.00000	.00000	235.56183
4.600	-.020	.56585	.00000	.00000	.00000	235.62823
4.600	1.982	.57991	.00000	.00000	.00000	235.62823
4.600	4.041	.57957	.00000	.00000	.00000	235.56183
4.600	6.059	.58100	.00000	.00000	.00000	235.62823
4.600	8.054	.57297	.00000	.00000	.00000	235.49544
4.600	9.945	.57278	.00000	.00000	.00000	235.55183
	GRADIENT	.00169	.00000	.00000	.00000	-.01000

UPWT 1088/1119 (IA-44) CONFIGURATION 02/74/57 (YH8003) (01 MAY 75)

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REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	976.0000 IN. XT		
LREF =	1290.3000 INCHES	YMRP =	.0000 IN. YT		
BREF =	1290.3000 INCHES	ZMRP =	400.0000 IN. ZT		
SCALE =	.0100				

PARAMETRIC DATA

BETA =	.000	ELV-LO =	.000
ELV-LI =	.000	ELV-RI =	.000
ELV-RO =	.000	RUDDER =	.000
SPOBRK =	.000	SDFLAP =	.000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CSW	CTW	Q(PSF)
1.600	-10.529	-.06413	-.08683	-.01231	-.01152	490.37782
1.600	-8.544	-.06625	-.06839	-.00886	-.01124	490.29350
1.600	-6.431	-.06478	-.04858	-.00504	-.01074	481.05239
1.600	-4.629	-.06582	-.02866	-.00081	-.01061	481.13672
1.600	-2.232	-.06446	-.00001	.00494	-.00975	481.64264
1.600	-1.190	-.06497	.01278	.00769	-.00903	481.34752
1.600	-.119	-.06592	.02574	.01048	-.00872	481.38968
1.600	.931	-.06589	.03823	.01316	-.00798	481.51616
1.600	1.977	-.06559	.05056	.01569	-.00667	481.38958
1.600	4.075	-.06560	.07277	.01999	-.00338	481.55832
1.600	6.165	-.06577	.08946	.02315	-.00048	481.60048
1.600	8.269	-.06641	.10415	.02616	.00192	481.68480
1.600	10.454	-.06631	.11344	.02901	.00310	481.55832
	GRADIENT	-.00014	.01174	.00243	.00079	.03069

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CSW	CTW	Q(PSF)
2.000	-10.029	-.07403	-.06754	-.00803	-.01145	474.90628
2.000	-7.935	-.06986	-.05361	-.00555	-.01091	474.94207
2.000	-5.842	-.06954	-.03945	-.00289	-.01048	475.04942
2.000	-4.061	-.06743	-.02691	-.00058	-.01037	475.04942
2.000	-1.670	-.06633	-.01036	.00256	-.01045	475.08521
2.000	-.619	-.06567	-.00189	.00432	-.01051	475.12099
2.000	.426	-.06540	.00750	.00607	-.01075	475.12099
2.000	1.469	-.06494	.01640	.00790	-.01066	475.01354
2.000	2.518	-.06517	.02539	.00968	-.01053	474.97785
2.000	4.601	-.06354	.04541	.01391	-.00929	475.04942
2.000	6.692	-.06200	.06655	.01799	-.00733	475.08521
2.000	8.798	-.06102	.07937	.02075	-.00525	475.04942
2.000	10.995	-.05931	.09242	.02168	-.00367	474.97785
	GRADIENT	.00040	.00939	.00166	.00008	-.00699

UPWT 1088/1119 (IA-44) CONFIGURATION 02/T4/S7 (YH8003) (01 MAY 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA =	.000	ELV-LO =	.000
ELV-LI =	.000	ELV-RI =	.000
ELV-RO =	.000	RUDDER =	.000
SPDBRK =	.000	BDFLAP =	.000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CBW	CTW	Q(PSF)
2.500	-10.998	.00609	.00000	.00000	.00000	435.35971
2.500	-8.832	.00504	.00000	.00000	.00000	435.24829
2.500	-6.741	.00306	.00000	.00000	.00000	435.40192
2.500	-4.630	.00194	.00000	.00000	.00000	435.22268
2.500	-2.544	.00230	.00000	.00000	.00000	435.17147
2.500	-1.510	.00094	.00000	.00000	.00000	435.86283
2.500	-.478	-.00084	.00000	.00000	.00000	436.17010
2.500	.552	-.00320	.00000	.00000	.00000	435.70919
2.500	1.559	-.00246	.00000	.00000	.00000	435.29950
2.500	3.657	-.00317	.00000	.00000	.00000	435.22268
2.500	5.705	-.00411	.00000	.00000	.00000	435.32510
2.500	7.809	-.00659	.00000	.00000	.00000	435.73480
2.500	9.895	-.00723	.00000	.00000	.00000	435.52995
	GRADIENT	-.00078	.00000	.00000	.00000	.00251

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CBW	CTW	Q(PSF)
2.860	-10.620	.00384	.00000	.00000	.00000	395.19333
2.860	-8.558	.00296	.00000	.00000	.00000	396.05854
2.860	-6.452	.00180	.00000	.00000	.00000	395.97780
2.860	-4.409	.00134	.00000	.00000	.00000	395.48217
2.860	-2.315	-.00084	.00000	.00000	.00000	395.50143
2.860	-1.263	-.00120	.00000	.00000	.00000	395.27036
2.860	-.263	-.00199	.00000	.00000	.00000	395.57845
2.860	.790	-.00234	.00000	.00000	.00000	396.50143
2.860	1.797	-.00455	.00000	.00000	.00000	396.42440
2.860	3.895	-.00601	.00000	.00000	.00000	395.36664
2.860	5.929	-.00703	.00000	.00000	.00000	395.59771
2.860	9.017	-.00905	.00000	.00000	.00000	395.95226
2.860	10.081	-.00842	.00000	.00000	.00000	396.40515
	GRADIENT	-.00588	.00000	.00000	.00000	-.00897

UPWT 1089/1119 (IA-44) CONFIGURATION 02/T4/S7 (YH9003) (01 MAY 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA =	.000	ELV-LO =	.000
ELV-LI =	.000	ELV-RI =	.000
ELV-RO =	.000	RUDDER =	.000
SPDBRK =	.000	BDFLAP =	.000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CBW	CTW	Q(PSF)
3.900	-10.516	-.01503	.00000	.00000	.00000	300.69424
3.900	-8.471	-.01645	.00000	.00000	.00000	300.79047
3.900	-6.430	-.01643	.00000	.00000	.00000	300.82255
3.900	-4.388	-.01776	.00000	.00000	.00000	300.82255
3.900	-2.356	-.01977	.00000	.00000	.00000	300.81453
3.900	-1.328	-.01958	.00000	.00000	.00000	300.83057
3.900	-.304	-.01992	.00000	.00000	.00000	300.87057
3.900	.724	-.02081	.00000	.00000	.00000	300.82255
3.900	1.726	-.02056	.00000	.00000	.00000	300.84661
3.900	3.772	-.02114	.00000	.00000	.00000	300.86265
3.900	5.811	-.02234	.00000	.00000	.00000	300.79047
3.900	7.861	-.02412	.00000	.00000	.00000	300.91878
3.900	9.905	-.02363	.00000	.00000	.00000	300.79849
	GRADIENT	-.00038	.00000	.00000	.00000	.00505

RUN NO. 0/ 0 RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CBW	CTW	Q(PSF)
4.600	-9.891	-.01619	.00000	.00000	.00000	234.23532
4.600	-7.856	-.01659	.00000	.00000	.00000	234.30921
4.600	-5.827	-.01674	.00000	.00000	.00000	234.60476
4.600	-3.794	-.01903	.00000	.00000	.00000	234.38310
4.600	-1.763	-.01985	.00000	.00000	.00000	234.30921
4.600	-.745	-.01988	.00000	.00000	.00000	234.23532
4.600	.261	-.02120	.00000	.00000	.00000	234.45699
4.600	1.276	-.02067	.00000	.00000	.00000	234.16144
4.600	2.305	-.02154	.00000	.00000	.00000	234.30921
4.600	4.330	-.02186	.00000	.00000	.00000	234.45699
4.600	6.352	-.02232	.00000	.00000	.00000	234.30921
4.600	8.391	-.02310	.00000	.00000	.00000	234.23532
4.600	10.418	-.02323	.00000	.00000	.00000	234.38310
	GRADIENT	-.00036	.00000	.00000	.00000	.00520

ORIGINAL PAGE IS OF POOR QUALITY

UPWT 1099/1119 (IA-44) CONFIGURATION 02/T4/S7 (YHS004) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 490.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

ALPHA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPOIRK = .000 BOFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CNW	CBW	CTW	Q(PSF)
1.600	-10.486	-.14741	-.11744	-.00461	-.02403	480.88375
1.600	-8.373	-.14330	-.10100	-.00527	-.03010	480.75727
1.600	-6.315	-.14298	-.13975	-.00558	-.03410	480.79943
1.600	-4.237	-.13478	-.14743	-.00584	-.03843	480.79943
1.600	-2.106	-.13648	-.15055	-.00592	-.04099	480.71511
1.600	-.066	-.13708	-.15338	-.00596	-.04507	480.75727
1.600	2.034	-.13396	-.15055	-.00590	-.04662	480.84159
1.600	4.113	-.12576	-.15237	-.00585	-.04813	480.71511
1.600	6.212	-.13597	-.15294	-.00585	-.04932	480.75727
1.600	8.320	-.14239	-.15603	-.00596	-.05075	480.79943
1.600	10.479	-.15795	-.16579	-.00538	-.05367	480.79943
	GRADIENT	.00103	-.00047	.00000	-.00121	-.00206

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CNW	CBW	CTW	Q(PSF)
2.000	-10.455	.42350	-	.00503	-.00656	475.19256
2.000	-8.352	.41939		.00595	-.00637	475.22835
2.000	-6.283	.42294		.00620	-.00759	475.26413
2.000	-4.229	.42585	.00[illegible]2	.00540	-.00897	475.19256
2.000	-2.105	.42198	-.00131	.00573	-.01117	475.15678
2.000	-.069	.41601	.00233	.00577	-.01182	475.15678
2.000	2.028	.41916	.00391	.00574	-.01295	475.15678
2.000	4.105	.41931	.00763	.00613	-.01314	475.29992
2.000	6.198	.41394	.00921	.00623	-.01394	475.19256
2.000	8.299	.41024	.01283	.00691	-.01407	475.26413
	GRADIENT	-.00075	.00072	-.00003	-.00050	.01031

UFWT 1988/1119 (IA-44) CONFIGURATION 02/T4/S7 (YH8004) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

ALPHA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = .000

ORIGINAL PAGE IS OF POOR QUALITY

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CNW	CBW	CTW	Q(PSF)
2.860	-10.308	-.24463	.00000	.00000	.00000	396.27036
2.860	-8.260	-.24542	.00000	.00000	.00000	396.36664
2.860	-6.213	-.24550	.00000	.00000	.00000	396.44366
2.860	-4.093	-.25205	.00000	.00000	.00000	396.36664
2.860	-2.039	-.25595	.00000	.00000	.00000	396.50143
2.860	-.020	-.25156	.00000	.00000	.00000	396.57845
2.860	1.999	-.25557	.00000	.00000	.00000	396.50143
2.860	4.098	-.24314	.00000	.00000	.00000	396.27036
2.860	6.196	-.24263	.00000	.00000	.00000	395.90449
2.860	8.218	-.23440	.00000	.00000	.00000	396.21259
2.860	10.447	-.23563	.00000	.00000	.00000	396.23184
	GRADIENT	.00090	.00000	.00000	.00000	-.00959

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CNW	CBW	CTW	Q(PSF)
3.900	-4.096	-.31392	.00000	.00000	.00000	300.81453
3.900	-2.043	-.31229	.00000	.00000	.00000	300.75038
3.900	-.022	-.31392	.00000	.00000	.00000	300.71830
3.900	1.983	-.31659	.00000	.00000	.00000	300.81453
3.900	4.065	-.30722	.00000	.00000	.00000	300.73434
3.900	6.125	-.31041	.00000	.00000	.00000	300.80651
3.900	8.166	-.30466	.00000	.00000	.00000	300.85463
	GRADIENT	.00044	.00000	.00000	.00000	-.00479

RUN NO. 0/ 0 RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CNW	CBW	CTW	Q(PSF)
4.600	-4.058	.26399	.00000	.00000	.00000	234.30921
4.600	-2.015	.26323	.00000	.00000	.00000	234.30921
4.600	-.003	.26005	.00000	.00000	.00000	234.38319
4.600	1.992	.25791	.00000	.00000	.00000	234.16144
4.600	4.045	.25982	.00000	.00000	.00000	234.09755
4.600	6.096	.26124	.00000	.00000	.00000	234.23532
4.600	8.109	.26278	.00000	.00000	.00000	234.16144
	GRADIENT	-.00060	.00000	.00000	.00000	-.02921

UPWT 1088/1119 (IA-44) CONFIGURATION 28/74/37 (YH8005) (06 JAN 75)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	976.0000 IN. XT		
LREF =	1290.3000 INCHES	YMRP =	.0000 IN. YT		
BREF =	1290.3000 INCHES	ZMRP =	400.0000 IN. ZT		
SCALE =	.0100				

PARAMETRIC DATA

BETA =	4.000	ELV-LO =	.000
ELV-LI =	.000	ELV-RI =	.000
ELV-RO =	.000	RUDDER =	.000
SPDBRK =	.000	BOFLAP =	.000

RUN NO. 9/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CBW	CTW	Q(PSF)
1.600	-10.665	4.12937	.05707	.00269	.01562	480.67295
1.600	-8.566	4.12417	.03518	.00146	.00580	480.71511
1.600	-5.458	4.11963	.00082	.00013	-.00441	480.84159
1.600	-4.674	4.11741	-.03242	-.00116	-.01410	480.71511
1.600	-2.249	4.11254	-.09305	-.00352	-.03159	480.67295
1.600	-1.183	4.11178	-.11928	-.00455	-.03893	480.67295
1.600	-.131	4.11361	-.14955	-.00574	-.04745	480.75727
1.600	.914	4.10977	-.17900	-.00690	-.05524	480.75727
1.600	1.972	4.11152	-.20632	-.00799	-.06225	480.75727
1.600	4.069	4.11195	-.25554	-.00999	-.07480	480.84159
1.600	6.149	4.10887	-.29005	-.01136	-.08114	480.71511
1.600	8.258	4.11030	-.31466	-.01238	-.08570	480.67295
1.600	10.449	4.11264	-.32826	-.01293	-.08884	480.71511
	GRADIENT		-.00058	-.02598	-.00102	-.00705 .01633

RUN NO. 9/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CBW	CTW	Q(PSF)
2.000	-10.030	4.11997	-.06471	-.00750	-.01284	475.37149
2.000	-7.955	4.11712	-.05108	-.00495	-.01267	475.33570
2.000	-5.856	4.11149	-.03768	-.00237	-.01295	475.15678
2.000	-4.085	4.10990	-.02606	-.00023	-.01261	475.08521
2.000	-1.677	4.10605	-.00852	.00295	-.01243	475.22835
2.000	-.624	4.10702	-.00027	.00451	-.01272	475.12099
2.000	.418	4.10631	.00852	.00616	-.01282	475.19256
2.000	1.462	4.10500	.01635	.00774	-.01294	475.26413
2.000	2.507	4.10378	.02485	.00934	-.01303	475.12099
2.000	4.601	4.10345	.04373	.01304	-.01216	475.22835
2.000	6.691	4.10247	.06306	.01730	-.01109	475.22835
2.000	8.792	4.10164	.07747	.02061	-.01001	475.15678
2.000	10.976	4.10410	.08375	.02230	-.00906	475.22835
	GRADIENT		-.00070	.00801	.00153	.00001 .01136

UPWT 1099/1119 (IA-44) CONFIGURATION 02/T4/S7 (YH8005) (06 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPOBRK = .000 BDFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CSW	CTW	Q(PSF)
2.860	-10.614	4.12421	.00000	.00000	.00000	396.40515
2.860	-8.540	4.11905	.00000	.00000	.00000	396.53994
2.860	-6.467	4.11483	.00000	.00000	.00000	396.63622
2.860	-4.402	4.12764	.00000	.00000	.00000	396.59771
2.860	-2.317	4.12125	.00000	.00000	.00000	396.61696
2.860	-1.281	4.11857	.00000	.00000	.00000	396.69399
2.860	-.242	4.11829	.00000	.00000	.00000	396.65549
2.860	.794	4.11656	.00000	.00000	.00000	396.61696
2.860	1.809	4.11618	.00000	.00000	.00000	396.82878
2.860	3.891	4.11130	.00000	.00000	.00000	396.67473
2.860	5.944	4.10729	.00000	.00000	.00000	396.65548
2.860	8.009	4.10485	.00000	.00000	.00000	396.65548
2.860	10.092	4.10195	.00000	.00000	.00000	396.73250
	GRADIENT	-.00178	.00000	.00000	.00000	.01503

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CSW	CTW	Q(PSF)
3.900	-10.524	4.08045	.00000	.00000	.00000	390.84661
3.900	-8.491	4.07848	.00000	.00000	.00000	390.89473
3.900	-6.428	4.07573	.00000	.00000	.00000	390.92689
3.900	-4.390	4.07136	.00000	.00000	.00000	390.87067
3.900	-2.352	4.06828	.00000	.00000	.00000	390.83057
3.900	-1.319	4.06595	.00000	.00000	.00000	390.86265
3.900	-.310	4.06509	.00000	.00000	.00000	390.79849
3.900	.719	4.06361	.00000	.00000	.00000	390.85463
3.900	1.741	4.06226	.00000	.00000	.00000	390.81453
3.900	3.779	4.05999	.00000	.00000	.00000	390.84661
3.900	5.819	4.05825	.00000	.00000	.00000	390.83057
3.900	7.859	4.05633	.00000	.00000	.00000	390.87067
3.900	9.916	4.05447	.00000	.00000	.00000	390.83057
	GRADIENT	-.00140	.00000	.00000	.00000	-.00317

UPNT 1089/1119 (IA-44) CONFIGURATION 02/T4/S7 (YH8005) (05 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = .000

RUN NO. 0/ 0 RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CBW	CTW	Q(PSF)
4.600	-9.892	4.05693	.00000	.00000	.00000	234.30921
4.600	-7.849	4.05450	.00000	.00000	.00000	234.23532
4.600	-5.822	4.05196	.00000	.00000	.00000	234.45699
4.600	-3.795	4.05030	.00000	.00000	.00000	234.08755
4.600	-1.753	4.04701	.00000	.00000	.00000	234.23532
4.600	-.748	4.04613	.00000	.00000	.00000	234.08755
4.600	.278	4.04385	.00000	.00000	.00000	234.45699
4.600	1.328	4.04325	.00000	.00000	.00000	234.16144
4.600	2.307	4.04175	.00000	.00000	.00000	234.38310
4.600	4.329	4.03995	.00000	.00000	.00000	234.38310
4.600	6.359	4.03807	.00000	.00000	.00000	234.45699
4.600	8.400	4.03587	.00000	.00000	.00000	234.45699
4.600	10.426	4.03483	.00000	.00000	.00000	234.30921
	GRADIENT	-.00128	.00000	.00000	.00000	.03628

ORIGINAL PAGE IS
OF POOR QUALITY

UPWT 1088/1119 (IA-44) CONFIGURATION 02/T4/S7 (YH8006) (06 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA =	-4.000	ELV-LO =	.000
ELV-LI =	.000	ELV-RI =	.000
ELV-RO =	.000	RUDDER =	.000
SPDBRK =	.000	SDFLAP =	.000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CBW	CTW	Q(PSF)
1.600	-10.661	-4.24072	.07685	.00297	.02338	480.71511
1.600	-8.585	-4.22847	.04503	.00175	.01334	480.79943
1.600	-6.455	-4.22306	.00205	.00006	.00070	480.75727
1.600	-4.661	-4.22158	-.03642	-.00143	-.00991	480.75727
1.600	-2.239	-4.21586	-.09448	-.00372	-.02536	480.67295
1.600	-1.188	-4.21474	-.12062	-.00476	-.03199	480.67295
1.600	-.133	-4.21349	-.14584	-.00577	-.03836	480.75727
1.600	.924	-4.21251	-.17097	-.00678	-.04418	480.71511
1.600	1.974	-4.21151	-.19086	-.00757	-.04899	480.75727
1.600	4.068	-4.20947	-.22264	-.00895	-.05639	480.71511
1.600	6.163	-4.21193	-.25420	-.01013	-.06344	480.71511
1.600	8.264	-4.21145	-.28067	-.01118	-.07013	480.71511
1.600	10.451	-4.21716	-.29597	-.01178	-.07414	480.71511
	GRADIENT	.00132	-.02178	-.00097	-.00541	.00067

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CBW	CTW	Q(PSF)
2.000	-10.027	-4.21883	-.07060	-.00834	-.01064	475.12099
2.000	-7.943	-4.21128	-.05867	-.00620	-.01035	475.12099
2.000	-5.845	-4.20521	-.04550	-.00363	-.00987	475.01364
2.000	-4.056	-4.19860	-.03256	-.00111	-.00951	475.04942
2.000	-1.671	-4.19352	-.01395	.00272	-.00924	475.04942
2.000	-.621	-4.19366	-.00545	.00456	-.00906	475.19256
2.000	.426	-4.19120	.00372	.00641	-.00884	475.04942
2.000	1.472	-4.19096	.01199	.00825	-.00800	475.12099
2.000	2.519	-4.19788	.01794	.00956	-.00798	475.08521
2.000	4.605	-4.18613	.03475	.01321	-.00592	475.08521
2.000	6.704	-4.18557	.04926	.01610	-.00414	475.12099
2.000	8.801	-4.18295	.05771	.01782	-.00344	475.08521
2.000	10.991	-4.18421	.06058	.01845	-.00234	475.04942
	GRADIENT	.00142	.00777	.00165	.00040	.00334

UFWT 1099/1119 (IA-44) CONFIGURATION 02/T4/S7 (YH8006) (06 JAN 75)

REFERENCE DATA

SREF = 2699.0000 SQ.FT. XMRP = 975.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPOBRK = .000 BOFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CBW	CTW	Q(PSF)
2.860	-10.617	-4.13564	.00000	.00000	.00000	396.49515
2.860	-9.545	-4.13473	.00000	.00000	.00000	396.44366
2.860	-8.467	-4.13479	.00000	.00000	.00000	396.67473
2.860	-4.386	-4.13295	.00000	.00000	.00000	396.52068
2.860	-2.317	-4.12925	.00000	.00000	.00000	396.61696
2.860	-1.286	-4.12880	.00000	.00000	.00000	396.44366
2.860	-.251	-4.12831	.00000	.00000	.00000	396.59771
2.860	.777	-4.12874	.00000	.00000	.00000	396.36664
2.860	1.811	-4.12711	.00000	.00000	.00000	396.89523
2.860	3.871	-4.12756	.00000	.00000	.00000	396.96226
2.860	5.930	-4.12578	.00000	.00000	.00000	396.05854
2.860	7.997	-4.12801	.00000	.00000	.00000	396.03928
2.860	10.083	-4.13013	.00000	.00000	.00000	396.00077
	GRADIENT	.00060	.00000	.00000	.00000	-.08704

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CBW	CTW	Q(PSF)
3.900	-10.525	-4.10132	.00000	.00000	.00000	300.79849
3.900	-9.475	-4.10193	.00000	.00000	.00000	300.90275
3.900	-5.441	-4.10139	.00000	.00000	.00000	300.83057
3.900	-4.394	-4.09964	.00000	.00000	.00000	300.79849
3.900	-2.344	-4.09915	.00000	.00000	.00000	300.81453
3.900	-1.331	-4.09739	.00000	.00000	.00000	300.79849
3.900	-.307	-4.09656	.00000	.00000	.00000	300.71830
3.900	.713	-4.09545	.00000	.00000	.00000	300.54613
3.900	1.723	-4.09427	.00000	.00000	.00000	300.80551
3.900	3.779	-4.09362	.00000	.00000	.00000	300.77444
3.900	5.818	-4.09377	.00000	.00000	.00000	300.82255
3.900	7.861	-4.09340	.00000	.00000	.00000	300.74236
3.900	9.908	-4.09343	.00000	.00000	.00000	300.73434
	GRADIENT	.00083	.00000	.00000	.00000	-.00617

UPWT 1088/1119 (IA-44) CONFIGURATION 02/T4/S7 (YH8006) (06 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 409.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = .000

RUN NO. 0/ 0 RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CBW	CTW	Q(PSF)
4.600	-9.889	-4.06304	.00000	.00000	.00000	234.38319
4.600	-7.857	-4.06205	.00000	.00000	.00000	234.30921
4.600	-5.819	-4.06063	.00000	.00000	.00000	234.16144
4.600	-3.796	-4.06096	.00000	.00000	.00000	234.30921
4.600	-1.761	-4.05999	.00000	.00000	.00000	234.30921
4.600	-.729	-4.05943	.00000	.00000	.00000	234.30921
4.600	.276	-4.05776	.00000	.00000	.00000	234.08755
4.600	1.293	-4.05720	.00000	.00000	.00000	234.08755
4.600	2.303	-4.05710	.00000	.00000	.00000	234.30921
4.600	4.335	-4.05591	.00000	.00000	.00000	234.30921
4.600	6.357	-4.05476	.00000	.00000	.00000	234.01366
4.600	8.383	-4.05400	.00000	.00000	.00000	234.23532
4.600	10.422	-4.05371	.00000	.00000	.00000	234.23532
	GRADIENT	.00067	.00000	.00000	.00000	-.00519

UPWT 1088/1119 (IA-44) CONFIGURATION 02/T2/S7 (YH8007) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN, XT
LREF = 1290.3000 INCHES YMRP = .0000 IN, YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN, ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPOBRK = .000 BOFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CSW	CTW	Q(PSF)
1.600	-10.637	-.05202	-.08083	-.01180	-.00837	480.29350
1.600	-8.548	-.05103	-.06269	-.00853	-.00834	479.49245
1.600	-6.441	-.05071	-.04240	-.00479	-.00797	481.05239
1.600	-4.667	-.04834	-.02189	-.00086	-.00760	480.12485
1.600	-2.234	-.04593	.00928	.00498	-.00665	480.54647
1.600	-1.182	-.04570	.02144	.00761	-.00590	481.38968
1.600	-.124	-.04681	.03554	.01047	-.00542	481.38968
1.600	.927	-.04541	.04921	.01315	-.00426	481.51616
1.600	1.974	-.04546	.06292	.01570	-.00280	481.38968
1.600	4.057	-.04308	.08470	.01975	.00068	481.26320
1.600	6.158	-.04062	.10224	.02292	.00407	481.22104
1.600	8.269	-.04149	.11990	.02606	.00539	481.09456
1.600	10.453	-.03850	.12792	.02770	.00726	481.05239
	GRADIENT	.00049	.01240	.00241	.00093	.14243

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CSW	CTW	Q(PSF)
2.000	-10.030	-.05518	-.04310	-.00749	-.00454	475.04942
2.000	-7.952	-.05521	-.03032	-.00513	-.00415	475.72934
2.000	-5.847	-.05173	-.01679	-.00251	-.00390	475.44306
2.000	-4.066	-.04957	-.00492	-.00020	-.00385	474.97785
2.000	-1.670	-.04955	.01255	.00323	-.00406	474.47686
2.000	-.629	-.04874	.02054	.00482	-.00432	474.51264
2.000	.422	-.04953	.02811	.00662	-.00445	474.51264
2.000	1.466	-.04731	.03772	.00841	-.00442	474.65578
2.000	2.510	-.04812	.04613	.01009	-.00443	474.58421
2.000	4.595	-.04595	.06605	.01424	-.00279	474.72735
2.000	6.602	-.04450	.08780	.01855	-.00080	474.65578
2.000	8.793	-.04246	.10100	.02137	.00105	474.69157
2.000	10.988	-.04127	.10469	.02241	.00245	474.65578
	GRADIENT	.00044	.00815	.00166	.00007	-.01605

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UPWT 1088/1119 (IA-44) CONFIGURATION 02/T4/S6 (YH8008) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPDBRK = .000 BOFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CSW	CTW	Q(PSF)
1.600	-10.647	-.05259	-.08426	-.01194	-.01058	480.50431
1.600	-8.555	-.05121	-.05577	-.00856	-.01011	481.47400
1.600	-6.450	-.04959	-.04525	-.00475	-.01005	482.44369
1.600	-4.631	-.04873	-.02595	-.00090	-.00990	482.48585
1.600	-2.236	-.04732	.00214	.00484	-.00904	481.97993
1.600	-1.184	-.04709	.01500	.00755	-.00858	481.93777
1.600	-.125	-.04496	.02674	.01010	-.00847	482.61234
1.600	.922	-.04600	.03998	.01287	-.00752	483.16042
1.600	1.979	-.04339	.05266	.01535	-.00673	482.61234
1.600	4.069	-.04162	.07474	.01951	-.00322	481.64264
1.600	6.163	-.04028	.09140	.02260	-.00040	479.19733
1.600	8.257	-.03873	.10782	.02565	.00185	479.32381
1.600	10.452	-.03833	.11523	.02720	.00291	481.55832
	GRADIENT	.00082	.01167	.00238	.00071	-.01963

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CSW	CTW	Q(PSF)
2.000	-10.939	-.05305	-.05838	-.00798	-.01020	475.22835
2.000	-7.966	-.05332	-.04511	-.00559	-.00948	475.49727
2.000	-5.856	-.05196	-.03054	-.00292	-.00919	475.97984
2.000	-4.975	-.04819	-.01815	-.00055	-.00894	475.65777
2.000	-1.672	-.04789	-.00111	.00283	-.00992	475.62199
2.000	-.639	-.04732	.00673	.00441	-.00906	474.94207
2.000	.415	-.04631	.01587	.00617	-.00941	474.72735
2.000	1.465	-.04592	.02533	.00812	-.00934	475.22835
2.000	2.509	-.04590	.03416	.00999	-.00902	475.55041
2.000	4.597	-.04410	.05359	.01397	-.00779	475.51463
2.000	6.695	-.04323	.07577	.01836	-.00569	474.98322
2.000	8.791	-.04229	.09999	.02115	-.00353	475.47884
2.000	10.978	-.03994	.09203	.02205	-.00225	475.80091
	GRADIENT	.00048	.00832	.00158	.00009	-.01136

UPWT 1086/1119 (IA-44) CONFIGURATION 02/T4/S3 (YH9009) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA =	.000	ELV-LO =	.000
ELV-LI =	.000	ELV-RI =	.000
ELV-RO =	.000	RUDDER =	.000
SPDBRK =	.000	BOFLAP =	.000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CBW	CTW	Q(PSF)
1.600	-10.659	-.05463	-.07654	-.01186	-.00650	481.17888
1.600	-8.551	-.05179	-.05709	-.00840	-.00680	481.22104
1.600	-6.434	-.04916	-.03704	-.00463	-.00633	481.09456
1.600	-4.650	-.04752	-.01803	-.00080	-.00609	481.09456
1.600	-2.229	-.04699	.01173	.00510	-.00530	481.05239
1.600	-1.177	-.04574	.02403	.00774	-.00494	481.13672
1.600	-.123	-.04537	.03576	.01030	-.00463	481.13672
1.600	.927	-.04387	.04927	.01350	-.00396	481.26320
1.600	1.977	-.04348	.06234	.01558	-.00270	481.22104
1.600	4.071	-.04184	.09479	.01958	.00061	481.22104
1.600	6.162	-.04272	.10076	.02278	.00386	481.17888
1.600	8.266	-.03842	.11719	.02586	.00580	481.26320
1.600	10.459	-.03842	.12496	.02737	.00651	481.39968
	GRADIENT	.00069	.01185	.00238	.00072	.02117

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CBW	CTW	Q(PSF)
2.000	-10.024	-.05519	-.04670	-.00766	-.00554	474.90628
2.000	-7.955	-.05337	-.03403	-.00527	-.00509	474.87049
2.000	-5.947	-.05151	-.02007	-.00267	-.00493	474.83471
2.000	-4.076	-.04970	-.00832	-.00036	-.00450	474.83471
2.000	-1.679	-.04873	.00916	.00305	-.00471	474.90628
2.000	-.630	-.04849	.01730	.00468	-.00485	475.01364
2.000	.422	-.04835	.02636	.00544	-.00499	474.83471
2.000	1.465	-.04793	.03561	.00828	-.00490	474.83471
2.000	2.511	-.04704	.04499	.01019	-.00447	474.90628
2.000	4.601	-.04491	.06479	.01427	-.00325	474.90628
2.000	6.691	-.04419	.08688	.01855	-.00135	475.01364
2.000	8.795	-.04059	.09995	.02139	.00086	475.01364
2.000	10.984	-.04020	.10289	.02225	.00195	474.90628
	GRADIENT	.00051	.00845	.00159	.00012	.00255

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UPWT 1088/1119 (IA-44) CONFIGURATION 32/T4/S2 (YH8010) (05 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1299.3000 INCHES YMRP = .0000 IN. YT
BREF = 1299.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPOIER = .000 SOFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CSW	CTW	Q(PSF)
1.600	-10.650	-.05339	-.07641	-.01190	-.00656	481.55832
1.600	-8.559	-.04954	-.05671	-.00847	-.00631	481.76912
1.600	-6.437	-.04928	-.03525	-.00458	-.00568	481.69480
1.600	-4.639	-.04660	-.01506	-.00069	-.00521	481.55832
1.600	-2.232	-.04570	.01491	.00521	-.00414	481.51616
1.600	-1.198	-.04534	.02681	.00757	-.00381	481.51616
1.600	-.126	-.04509	.03992	.01035	-.00321	481.51616
1.600	.929	-.04338	.05350	.01299	-.00262	481.55832
1.600	1.994	-.04210	.06792	.01577	-.00190	481.64264
1.600	4.074	-.04201	.08938	.01975	.00257	481.55832
1.600	6.162	-.04059	.10667	.02292	.00561	481.55832
1.600	8.267	-.03709	.12186	.02584	.00769	481.55832
1.600	10.460	-.03807	.13079	.02749	.00889	481.51616
	GRADIENT	.00060	.01213	.00238	.00094	.00630

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CSW	CTW	Q(PSF)
2.000	-10.058	-.05436	-.04030	-.00744	-.00379	475.65777
2.000	-7.959	-.05339	-.02766	-.00503	-.00332	475.40727
2.000	-5.856	-.05192	-.01319	-.00239	-.00293	475.22835
2.000	-4.061	-.04889	-.00161	-.00007	-.00299	474.94297
2.000	-1.660	-.04758	.01620	.00331	-.00297	474.72735
2.000	-.622	-.04587	.02390	.00493	-.00299	475.04942
2.000	.424	-.04708	.03353	.00678	-.00297	475.04942
2.000	1.471	-.04507	.04249	.00859	-.00295	474.87049
2.000	2.515	-.04503	.05050	.01033	-.00296	474.76314
2.000	4.608	-.04409	.07021	.01448	-.00167	474.79892
2.000	6.709	-.04228	.09192	.01882	.00025	474.94297
2.000	8.807	-.04185	.10487	.02143	.00234	474.97785
2.000	10.993	-.03933	.10760	.02234	.00397	474.94297
	GRADIENT	.00056	.00929	.00158	.00011	-.01503

UPWT 1088/1119 (IA-44) CONFIGURATION 02/T4/S2 (YH8010) (03 JAN 75)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	976.0000 IN. XT		
LREF =	1290.3000 INCHES	YMRP =	.0000 IN. YT		
BREF =	1290.3000 INCHES	ZMRP =	400.0000 IN. ZT		
SCALE =	.0100				

PARAMETRIC DATA

BETA =	.000	ELV-LO =	.000
ELV-LI =	.000	ELV-RI =	.000
ELV-RO =	.000	RUDDER =	.000
SPDBRK =	.000	BSFLAP =	.000

RUN NO. 0/ 0 RNVL = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CSW	CTW	Q(PSF)
2.860	-10.616	-.00285	-.04195	-.00425	-.01157	395.09574
2.860	-8.536	-.00175	-.03612	-.00309	-.01132	395.59639
2.860	-6.462	-.00045	-.02997	-.00189	-.01073	395.44235
2.860	-4.384	-.00052	-.02175	-.00070	-.01020	395.82747
2.860	-2.324	.00039	-.01634	.00033	-.00976	395.61696
2.860	-1.288	-.00021	-.01428	.00096	-.00995	395.13556
2.860	-.253	-.00035	-.01207	.00137	-.01040	395.65416
2.860	.769	.00049	-.01013	.00200	-.01040	395.94672
2.860	1.806	-.00010	-.00725	.00255	-.01079	395.67342
2.860	3.863	.00059	.00233	.00458	-.01055	396.02003
2.860	5.925	-.00030	.01237	.00671	-.01076	395.86598
2.860	8.001	-.00081	.02100	.00874	-.01116	395.86598
2.860	10.077	.00049	.03002	.01107	-.01116	395.90449
	GRADIENT	.00009	.00274	.00062	-.00009	-.03255

RUN NO. 0/ 0 RNVL = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CSW	CTW	Q(PSF)
4.600	-9.994	-.00161	-.07194	-.00433	-.02449	235.26937
4.600	-7.872	-.00187	-.07322	-.00420	-.02472	235.33576
4.600	-5.833	-.00172	-.07277	-.00385	-.02474	235.40216
4.600	-3.808	-.00097	-.06856	-.00294	-.02412	235.13658
4.600	-1.778	-.00132	-.06598	-.00224	-.02368	235.13658
4.600	-.760	-.00065	-.06430	-.00184	-.02332	235.26937
4.600	.257	-.00139	-.06191	-.00143	-.02327	235.40216
4.600	1.259	-.00112	-.05994	-.00093	-.02267	235.26937
4.600	2.288	-.00081	-.05959	-.00048	-.02270	235.20297
4.600	4.311	-.00109	-.05600	.00032	-.02299	235.33576
4.600	6.342	-.00093	-.05135	.00123	-.02292	235.40216
4.600	8.377	-.00103	-.04623	.00241	-.02297	235.40216
4.600	10.412	-.00054	-.04120	.00342	-.02249	235.40216
	GRADIENT	-.00001	.00158	.00040	.00017	.02181

UPWT 1088/1119 (IA-44) CONFIGURATION 02/T4/S1 (YH8011) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CBW	CTW	Q(PSF)
1.600	-10.670	-.05319	-.08995	-.01271	-.00947	480.92591
1.600	-8.577	-.05169	-.06868	-.00943	-.00855	480.79943
1.600	-6.463	-.04949	-.04991	-.00590	-.00861	481.17886
1.600	-4.674	-.04733	-.03049	-.00235	-.00786	481.30536
1.600	-2.263	-.04497	.00672	.00362	-.00542	481.26320
1.600	-1.208	-.04396	.00702	.00547	-.00731	481.26320
1.600	-.151	-.04539	.01766	.00795	-.00752	481.26320
1.600	.893	-.04436	.02860	.01041	-.00673	481.47400
1.600	1.948	-.04272	.05169	.01336	-.00417	481.51616
1.600	4.035	-.04072	.06420	.01729	-.00305	481.60048
1.600	6.139	-.04028	.07698	.02060	-.00108	481.72696
1.600	8.225	-.03845	.09718	.02387	.00142	481.43184
1.600	10.425	-.03784	.11019	.02582	.00277	481.26320
	GRADIENT	.00067	.01083	.00227	.00049	.04111

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CBW	CTW	Q(PSF)
2.000	-10.071	-.05419	-.05499	-.00800	-.00784	476.08719
2.000	-7.987	-.04908	-.04128	-.00563	-.00711	473.94008
2.000	-5.871	-.04882	-.03677	-.00357	-.00845	475.33579
2.000	-4.084	-.04583	-.01320	-.00082	-.00584	475.51463
2.000	-1.597	-.04361	-.00033	.00221	-.00664	475.19256
2.000	-.645	-.04535	-.00459	.00324	-.00894	474.58421
2.000	.397	-.04402	.00494	.00496	-.00842	474.58421
2.000	1.444	-.04295	.01217	.00663	-.00997	474.65578
2.000	2.488	-.04069	.01767	.00832	-.00953	474.65578
2.000	4.581	-.04272	.04658	.01296	-.00734	474.54843
2.000	6.672	-.04127	.07093	.01729	-.00501	474.58421
2.000	8.782	-.03900	.07527	.01951	-.00473	474.62000
2.000	10.967	-.03930	.08697	.02099	-.00194	474.69157
	GRADIENT	.00046	.00543	.00156	-.00027	-.10924

UPWT 1088/1119 (IA-44) CONFIGURATION 02/T4/S1 (YH8011) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CSW	CTW	Q(PSF)
2.860	-10.609	-.00710	-.04676	-.00459	-.01235	395.84672
2.860	-8.543	-.00314	-.04136	-.00346	-.01209	395.88523
2.860	-6.470	-.00252	-.03532	-.00218	-.01178	395.76979
2.860	-4.387	-.00226	-.02986	-.00106	-.01171	395.51937
2.860	-2.319	-.00092	-.02435	.00007	-.01161	395.90449
2.860	-1.289	-.00096	-.02299	.00054	-.01184	395.90449
2.860	-.252	-.00181	-.02024	.00110	-.01180	395.03928
2.860	.779	-.00177	-.01746	.00171	-.01193	395.92375
2.860	1.819	-.00109	-.01402	.00243	-.01192	396.05854
2.860	3.868	-.00112	-.00519	.00421	-.01158	395.69267
2.860	5.921	-.00041	.00472	.00611	-.01118	396.03928
2.860	8.004	-.00039	.01468	.00817	-.01113	395.19333
2.860	10.077	.00041	.02265	.01009	-.01093	396.17408
	GRADIENT	.00008	.00288	.00062	-.00000	.02361

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CSW	CTW	Q(PSF)
3.900	-10.529	-.00371	-.05901	-.00382	-.01925	390.88671
3.900	-8.493	-.00340	-.05883	-.00361	-.01992	390.88671
3.900	-6.447	-.00309	-.05750	-.00326	-.01999	390.82255
3.900	-4.403	-.00297	-.05596	-.00257	-.02007	390.87869
3.900	-2.360	-.00324	-.05276	-.00188	-.01999	390.79849
3.900	-1.336	-.00301	-.05105	-.00145	-.01995	390.84661
3.900	-.319	-.00287	-.04934	-.00094	-.01992	390.83659
3.900	.700	-.00263	-.04819	-.00046	-.01966	390.87067
3.900	1.727	-.00215	-.04562	.00009	-.01934	390.83057
3.900	3.765	-.00251	-.04129	.00120	-.01921	390.79047
3.900	5.805	-.00239	-.03473	.00256	-.01863	390.85265
3.900	7.847	-.00251	-.03316	.00335	-.01871	390.87067
3.900	9.894	-.00199	-.02747	.00458	-.01931	390.87869
	GRADIENT	.00010	.00176	.00047	.00011	-.00517

UPWT 1098/1119 (IA-44) CONFIGURATION 02/T4/S1 (YH8011) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = .000

RUN NO. 0/ 0 RNVL = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CBW	CTW	Q(PSF)
4.600	-9.901	-.00277	-.07807	-.00439	-.02660	235.53258
4.600	-7.870	-.00130	-.07804	-.00429	-.02673	235.59897
4.600	-5.841	-.00227	-.07611	-.00382	-.02599	235.53258
4.600	-3.813	-.00240	-.07233	-.00296	-.02546	235.53258
4.600	-1.777	-.00221	-.06905	-.00230	-.02490	235.59897
4.600	-.757	-.00190	-.06747	-.00190	-.02470	235.53258
4.600	.251	-.00144	-.06479	-.00140	-.02412	235.53258
4.600	1.269	-.00216	-.06264	-.00091	-.02390	235.53258
4.600	2.282	-.00200	-.06158	-.00049	-.02385	235.53258
4.600	4.316	-.00191	-.05819	.00036	-.02387	235.53258
4.600	6.345	-.00126	-.05379	.00128	-.02337	235.46618
4.600	8.377	-.00090	-.04964	.00233	-.02318	235.53258
4.600	10.411	-.00143	-.04528	.00325	-.02319	235.59897
	GRADIENT	.00005	.00179	.00042	.00022	-.00311

UPWT 1988/1119 (IA-44) CONFIGURATION GE/T4/S8 (YH8012) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPOBRK = .000 BOFLAP = .000

RUN NO. 9/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CBW	CTW	Q(PSF)
1.600	-10.661	-.05187	-.06726	-.01137	-.00463	480.75727
1.600	-8.567	-.05148	-.04856	-.00799	-.00426	480.75727
1.600	-6.455	-.04951	-.02778	-.00423	-.00401	480.84159
1.600	-4.659	-.04656	-.00845	-.00039	-.00371	480.84159
1.600	-2.253	-.04574	.02005	.00541	-.00286	480.88375
1.600	-1.202	-.04514	.03364	.00814	-.00249	480.88375
1.600	-.145	-.04661	.04504	.01057	-.00209	480.84159
1.600	.904	-.04239	.05887	.01338	-.00136	480.84159
1.600	1.957	-.04398	.07202	.01595	-.00024	480.88375
1.600	4.055	-.04272	.09346	.02011	.00289	480.96807
1.600	6.145	-.04095	.11108	.02327	.00514	480.92591
1.600	8.245	-.03954	.12596	.02624	.00812	480.92591
1.600	10.421	-.03897	.13493	.02781	.00929	480.92591
	GRADIENT	.00047	.01183	.00239	.00072	.01015

RUN NO. 9/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CBW	CTW	Q(PSF)
2.000	-10.053	-.05551	-.03497	-.00706	-.00251	475.15678
2.000	-7.967	-.05447	-.02134	-.00460	-.00202	475.19256
2.000	-5.881	-.05119	-.00753	-.00196	-.00157	475.19256
2.000	-4.085	-.04954	.00502	.00035	-.00146	475.19256
2.000	-1.701	-.04867	.02191	.00364	-.00164	474.97795
2.000	-.644	-.04775	.03002	.00529	-.00171	474.76314
2.000	.494	-.04719	.03844	.00701	-.00188	474.69157
2.000	1.441	-.04630	.04797	.00889	-.00174	474.79892
2.000	2.492	-.04659	.05639	.01057	-.00183	474.83471
2.000	4.599	-.04629	.07709	.01479	-.00059	474.83471
2.000	6.695	-.04438	.09790	.01908	.00115	474.83471
2.000	8.776	-.04127	.10920	.02173	.00309	474.72735
2.000	10.961	-.03947	.10785	.02252	.00377	474.79892
	GRADIENT	.00041	.00929	.00165	.00007	-.03822

UPWT 1088/1119 (IA-44) CONFIGURATION 02/14/59 (YH8012) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPOILER = .000 BOFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CSW	CTW	Q(PSF)
3.900	-10.518	-.01597	.00000	.00000	.00000	301.05511
3.900	-8.466	-.01786	.00000	.00000	.00000	300.97492
3.900	-6.426	-.01970	.00000	.00000	.00000	300.90275
3.900	-4.369	-.01935	.00000	.00000	.00000	300.87067
3.900	-2.346	-.02015	.00000	.00000	.00000	300.76642
3.900	-1.324	-.02097	.00000	.00000	.00000	300.82255
3.900	-.305	-.02149	.00000	.00000	.00000	300.86265
3.900	.708	-.02172	.00000	.00000	.00000	300.79047
3.900	1.731	-.02131	.00000	.00000	.00000	300.89473
3.900	3.776	-.02279	.00000	.00000	.00000	300.80651
3.900	5.824	-.02392	.00000	.00000	.00000	300.90275
3.900	7.869	-.02525	.00000	.00000	.00000	300.95888
3.900	9.907	-.02505	.00000	.00000	.00000	300.94284
	GRADIENT	-.00039	.00000	.00000	.00000	-.00074

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CSW	CTW	Q(PSF)
4.600	-9.685	-.01661	.00000	.00000	.00000	235.26379
4.600	-7.852	-.01701	.00000	.00000	.00000	235.18990
4.600	-5.821	-.01897	.00000	.00000	.00000	235.55933
4.600	-3.798	-.01919	.00000	.00000	.00000	235.26379
4.600	-1.204	-.01990	.00000	.00000	.00000	235.04213
4.600	-.748	-.01975	.00000	.00000	.00000	235.04213
4.600	.267	-.02069	.00000	.00000	.00000	235.18990
4.600	1.285	-.02183	.00000	.00000	.00000	235.55933
4.600	2.303	-.02225	.00000	.00000	.00000	235.48545
4.600	4.334	-.02215	.00000	.00000	.00000	235.33767
4.600	6.360	-.02264	.00000	.00000	.00000	235.33767
4.600	8.389	-.02297	.00000	.00000	.00000	235.18990
4.600	10.431	-.02371	.00000	.00000	.00000	235.41156
	GRADIENT	-.00044	.00000	.00000	.00000	.03850

UFWT 1098/1119 (IA-44) CONFIGURATION: 03/T4/S7 (YH8013) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPOIL = .000 BFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CBW	CTW	Q(PSF)
1.600	-10.644	-.05155	-.06751	-.01102	-.00581	480.67295
1.600	-8.556	-.05115	-.05607	-.00799	-.00684	480.96807
1.600	-6.452	-.04773	-.03023	-.00398	-.00539	481.22104
1.600	-4.656	-.04672	-.01329	-.00035	-.00539	481.22104
1.600	-2.253	-.04659	.01401	.00526	-.00454	481.13672
1.600	-1.199	-.04335	.02583	.00775	-.00430	481.01023
1.600	-.147	-.04449	.03732	.01024	-.00403	480.96807
1.600	.907	-.04440	.04775	.01291	-.00419	481.13672
1.600	1.947	-.04479	.06146	.01541	-.00264	481.26320
1.600	4.048	-.04321	.08378	.01955	.00072	481.13672
1.600	6.129	-.04048	.09958	.02262	.00356	481.09456
1.600	8.232	-.04013	.11584	.02562	.00567	481.01023
1.600	10.415	-.03909	.12507	.02742	.00647	481.05239
	GRADIENT	.00037	.01115	.00233	.00062	.00028

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CBW	CTW	Q(PSF)
2.000	-10.044	-.05358	-.04439	-.00716	-.00569	474.79892
2.000	-7.972	-.05233	-.03013	-.00476	-.00487	474.87049
2.000	-5.867	-.05172	-.01735	-.00228	-.00496	475.04942
2.000	-4.092	-.04904	-.02404	-.00079	-.00827	475.09521
2.000	-1.702	-.04844	-.00313	.00267	-.00758	474.97785
2.000	-.656	-.04732	.01493	.00466	-.00556	474.97785
2.000	.392	-.04702	.01303	.00597	-.00775	474.97785
2.000	1.441	-.04603	.01855	.00762	-.00831	474.97785
2.000	2.488	-.04521	.03811	.00981	-.00634	475.01364
2.000	4.575	-.04502	.05457	.01365	-.00569	474.94207
2.000	6.667	-.04368	.07724	.01800	-.00360	474.94207
2.000	8.760	-.04148	.09358	.02103	-.00060	475.04942
2.000	10.951	-.04011	.09475	.02203	.00025	475.01364
	GRADIENT	.00053	.00899	.00166	.00023	-.01135

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UPWT 1088/1119 (IA-44) CONFIGURATION 03/T4/S7 (YH8013) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPDBRK = .000 BOFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CSW	CTW	Q(PSF)
2.500	-10.912	-.01550	.00000	.00000	.00000	434.12163
2.500	-8.826	-.01491	.00000	.00000	.00000	434.37769
2.500	-6.734	-.01495	.00000	.00000	.00000	434.68496
2.500	-4.652	-.01604	.00000	.00000	.00000	434.81299
2.500	-2.572	-.01646	.00000	.00000	.00000	434.45450
2.500	-1.533	-.01851	.00000	.00000	.00000	434.83859
2.500	-.490	-.01674	.00000	.00000	.00000	434.63374
2.500	.545	-.01859	.00000	.00000	.00000	434.73617
2.500	1.575	-.01917	.00000	.00000	.00000	434.37769
2.500	3.651	-.01976	.00000	.00000	.00000	434.63374
2.500	5.723	-.02067	.00000	.00000	.00000	434.68496
2.500	7.917	-.02214	.00000	.00000	.00000	434.68496
2.500	9.898	-.02336	.00000	.00000	.00000	434.55693
	GRADIENT	-.00047	.00000	.00000	.00000	-.02231

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CSW	CTW	Q(PSF)
2.860	-10.619	-.01747	.00000	.00000	.00000	395.94309
2.860	-8.540	-.01663	.00000	.00000	.00000	395.96226
2.860	-6.464	-.01664	.00000	.00000	.00000	395.84672
2.860	-4.387	-.01871	.00000	.00000	.00000	396.02003
2.860	-2.323	-.01902	.00000	.00000	.00000	395.92003
2.860	-1.296	-.01952	.00000	.00000	.00000	395.99151
2.860	-.259	-.01941	.00000	.00000	.00000	396.09705
2.860	.786	-.02081	.00000	.00000	.00000	395.88523
2.860	1.814	-.02163	.00000	.00000	.00000	395.86599
2.860	3.876	-.02243	.00000	.00000	.00000	396.07780
2.860	5.931	-.02331	.00000	.00000	.00000	396.07780
2.860	8.002	-.02356	.00000	.00000	.00000	395.96226
2.860	10.074	-.02359	.00000	.00000	.00000	395.99151
	GRADIENT	-.00049	.00000	.00000	.00000	-.00496

UPWT 1088/1119 (IA-44) CONFIGURATION 03/T4/S7 (YH8013) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPOIR = .000 BOFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CBW	CTW	Q(PSF)
3.900	-10.509	-.01866	.00000	.00000	.00000	300.95988
3.900	-9.475	-.01943	.00000	.00000	.00000	300.96690
3.900	-8.432	-.02000	.00000	.00000	.00000	300.99096
3.900	-4.396	-.02091	.00000	.00000	.00000	301.01502
3.900	-2.351	-.02046	.00000	.00000	.00000	300.97492
3.900	-1.332	-.02026	.00000	.00000	.00000	300.66216
3.900	-.302	-.02073	.00000	.00000	.00000	300.95988
3.900	.714	-.02063	.00000	.00000	.00000	300.96690
3.900	1.735	-.02035	.00000	.00000	.00000	300.95086
3.900	3.771	-.02072	.00000	.00000	.00000	300.87057
3.900	5.817	-.02099	.00000	.00000	.00000	300.79849
3.900	7.866	-.02216	.00000	.00000	.00000	300.75840
3.900	9.910	-.02185	.00000	.00000	.00000	300.77444
	GRADIENT	.00001	.00000	.00000	.00000	-.00745

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CBW	CTW	Q(PSF)
4.600	-9.894	-.00427	.00000	.00000	.00000	235.66541
4.600	-7.853	-.00531	.00000	.00000	.00000	235.66541
4.600	-5.837	-.00710	.00000	.00000	.00000	235.74939
4.600	-3.796	-.00900	.00000	.00000	.00000	235.88808
4.600	-1.766	-.01047	.00000	.00000	.00000	235.74030
4.600	-.750	-.01015	.00000	.00000	.00000	235.44475
4.600	.273	-.01144	.00000	.00000	.00000	235.66641
4.600	1.285	-.01230	.00000	.00000	.00000	235.65541
4.600	2.300	-.01216	.00000	.00000	.00000	235.59253
4.600	4.327	-.01347	.00000	.00000	.00000	235.51964
4.600	6.358	-.01429	.00000	.00000	.00000	235.51954
4.600	8.388	-.01536	.00000	.00000	.00000	235.51954
4.600	10.429	-.01658	.00000	.00000	.00000	235.66541
	GRADIENT	-.00055	.00000	.00000	.00000	-.03635

ORIGINAL PAGE IS
OF POOR QUALITY

UPWT 1088/1119 (IA-44) CONFIGURATION 02/T4/S7 (YH8014) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = 8.000 ELV-RI = 8.000
ELV-RO = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = .000

RUN NO. 0/ 0 RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CBW	CTW	Q(PSF)
1.600	-10.631	-.06602	-.09287	-.01190	-.01826	481.76912
1.600	-8.545	-.06704	-.06509	-.00763	-.01754	485.01549
1.600	-6.434	-.06515	-.04506	-.00385	-.01698	483.91931
1.600	-4.639	-.06491	-.02451	.00021	-.01666	480.54647
1.600	-2.228	-.06760	.00512	.00517	-.01536	481.01023
1.600	-1.174	-.06646	.01809	.00891	-.01439	482.19073
1.600	-.122	-.06656	.02960	.01133	-.01395	482.19541
1.600	.939	-.06658	.04369	.01426	-.01280	481.81129
1.600	1.988	-.06783	.05739	.01693	-.01127	482.19073
1.600	4.074	-.06656	.07853	.02106	-.00759	482.19073
1.600	6.172	-.06673	.09494	.02421	-.00442	482.35937
1.600	8.274	-.06778	.10995	.02723	-.00174	482.19073
1.600	10.451	-.06582	.11793	.02987	-.00038	482.23289
	GRADIENT	-.00016	.01195	.00243	.00101	.19071

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CBW	CTW	Q(PSF)
2.000	-10.002	-.06895	-.05305	-.00699	-.01484	474.58421
2.000	-7.927	-.06748	-.04082	-.00451	-.01406	474.62000
2.000	-5.831	-.06834	-.02733	-.00191	-.01341	474.69157
2.000	-4.042	-.06753	-.01498	.00050	-.01313	474.58421
2.000	-1.648	-.06859	.00113	.00384	-.01330	474.65578
2.000	-.602	-.06812	.00928	.00549	-.01332	474.62000
2.000	.436	-.06880	.01855	.00739	-.01326	474.51264
2.000	1.492	-.06955	.02839	.00933	-.01307	474.65578
2.000	2.521	-.06915	.03668	.01107	-.01292	474.62000
2.000	4.615	-.06799	.05894	.01553	-.01097	474.69157
2.000	6.707	-.06910	.07872	.01958	-.00847	474.83471
2.000	8.221	-.06934	.09780	.02154	-.00671	474.76314
2.000	10.992	-.06906	.12120	.02280	-.00455	474.69157
	GRADIENT	-.00010	.00853	.00174	.00022	.00873

UPWT 1088/1119 (IA-44) CONFIGURATION 02/04/57 (YH8014) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = 8.000 ELV-RI = 8.000
ELV-RO = .000 RUDDER = .000
SPOBRK = .000 BDFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CBW	CTW	Q(PSF)
2.500	-10.997	-.01146	.00000	.00000	.00000	434.81299
2.500	-8.817	-.01352	.00000	.00000	.00000	435.09465
2.500	-6.724	-.01356	.00000	.00000	.00000	435.40192
2.500	-4.638	-.01479	.00000	.00000	.00000	435.68358
2.500	-2.566	-.01533	.00000	.00000	.00000	435.40192
2.500	-1.521	-.01672	.00000	.00000	.00000	434.81299
2.500	-.473	-.01820	.00000	.00000	.00000	434.59253
2.500	.554	-.01936	.00000	.00000	.00000	434.60814
2.500	1.594	-.02026	.00000	.00000	.00000	434.81299
2.500	3.659	-.02079	.00000	.00000	.00000	434.71955
2.500	5.736	-.02197	.00000	.00000	.00000	435.09465
2.500	7.819	-.02399	.00000	.00000	.00000	435.12026
2.500	9.907	-.02569	.00000	.00000	.00000	434.85420
	GRADIENT	-.00085	.00000	.00000	.00000	-.12121

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CBW	CTW	Q(PSF)
2.860	-10.608	-.01359	.00000	.00000	.00000	395.82747
2.860	-8.545	-.01379	.00000	.00000	.00000	395.76979
2.860	-6.457	-.01498	.00000	.00000	.00000	395.92375
2.860	-4.365	-.01720	.00000	.00000	.00000	395.90449
2.860	-2.312	-.01801	.00000	.00000	.00000	395.84672
2.860	-1.270	-.01974	.00000	.00000	.00000	395.88523
2.860	-.238	-.01939	.00000	.00000	.00000	395.90449
2.860	.786	-.01968	.00000	.00000	.00000	395.90449
2.860	1.811	-.02101	.00000	.00000	.00000	395.98151
2.860	3.880	-.02332	.00000	.00000	.00000	395.98151
2.860	5.936	-.02413	.00000	.00000	.00000	395.90449
2.860	8.015	-.02509	.00000	.00000	.00000	395.92375
2.860	10.099	-.02585	.00000	.00000	.00000	395.90077
	GRADIENT	-.00070	.00000	.00000	.00000	.01379

WING 1098/1119 (IA-44) CONFIGURATION 02/T4/S7 (YH8014) (03 JAN 75)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	976.0000 IN. XT		
LREF =	1290.3000 INCHES	YMRP =	.0000 IN. YT		
BREF =	1290.3000 INCHES	ZMRP =	490.0000 IN. ZT		
SCALE =	.0100				

PARAMETRIC DATA

BETA =	.000	ELV-LO =	.000
ELV-LI =	8.000	ELV-RI =	8.000
ELV-RO =	.000	RUDDER =	.000
SPOBRK =	.000	SPSLAP =	.000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CBW	CTW	Q(PSF)
3.900	-10.520	-.01192	.00000	.00000	.00000	300.78246
3.900	-8.465	-.01400	.00000	.00000	.00000	300.85463
3.900	-6.432	-.01501	.00000	.00000	.00000	300.96690
3.900	-4.398	-.01745	.00000	.00000	.00000	300.83859
3.900	-2.344	-.01751	.00000	.00000	.00000	300.93432
3.900	-1.326	-.01869	.00000	.00000	.00000	300.89473
3.900	-.307	-.01925	.00000	.00000	.00000	300.90275
3.900	.709	-.01953	.00000	.00000	.00000	300.90275
3.900	1.730	-.01989	.00000	.00000	.00000	300.94284
3.900	3.780	-.02202	.00000	.00000	.00000	300.93492
3.900	5.809	-.02255	.00000	.00000	.00000	300.90275
3.900	7.865	-.02397	.00000	.00000	.00000	300.89671
3.900	9.910	-.02390	.00000	.00000	.00000	300.90275
	GRADIENT	-.00056	.00000	.00000	.00000	.00954

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CBW	CTW	Q(PSF)
4.600	-9.881	-.01347	.00000	.00000	.00000	235.78397
4.600	-7.875	-.01393	.00000	.00000	.00000	235.56231
4.600	-5.819	-.01566	.00000	.00000	.00000	235.71009
4.600	-3.787	-.01677	.00000	.00000	.00000	235.78397
4.600	-1.772	-.01820	.00000	.00000	.00000	235.78397
4.600	-.744	-.01785	.00000	.00000	.00000	235.48842
4.600	.268	-.01902	.00000	.00000	.00000	235.71009
4.600	1.287	-.01902	.00000	.00000	.00000	235.63620
4.600	2.297	-.01957	.00000	.00000	.00000	235.63620
4.600	4.325	-.01973	.00000	.00000	.00000	235.56231
4.600	6.349	-.02110	.00000	.00000	.00000	235.48842
4.600	8.390	-.02152	.00000	.00000	.00000	235.63620
4.600	10.421	-.02236	.00000	.00000	.00000	235.63620
	GRADIENT	-.00037	.00000	.00000	.00000	-.02430

UPWT 1088/1119 (IA-44) CONFIGURATION 02/T4/S7 (YH8015) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1299.3000 INCHES YMRP = .0000 IN. YT
BREF = 1299.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = -8.000
ELV-LI = 8.000 ELV-RI = 8.000
ELV-RO = -8.000 RUDDER = .000
SPOBRK = .000 BDFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CSW	CTW	Q(PSF)
1.600	-10.640	-.06603	-.05404	-.01283	-.00617	481.05239
1.600	-8.518	-.06517	-.04470	-.00912	-.00553	480.79943
1.600	-6.425	-.06516	-.02545	-.00545	-.00523	480.79943
1.600	-4.632	-.06394	-.00622	-.00158	-.00451	480.71511
1.600	-2.225	-.06546	.02326	.00429	-.00349	481.09456
1.600	-1.172	-.06529	.03531	.00699	-.00252	481.13672
1.600	-.119	-.06589	.04836	.00968	-.00221	481.05239
1.600	.937	-.06558	.06131	.01239	-.00197	481.05239
1.600	1.995	-.06517	.07559	.01539	.00050	481.34752
1.600	4.077	-.06718	.09614	.01936	.00400	481.47400
1.600	6.173	-.06625	.11293	.02274	.00598	481.55832
1.600	8.269	-.06595	.12880	.02597	.00952	481.38968
1.600	10.459	-.06558	.13775	.02784	.01071	481.30536
	GRADIENT	-.00028	.01191	.00245	.00095	.07661

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CSW	CTW	Q(PSF)
2.000	-10.016	-.06762	-.03710	-.00827	-.00479	474.65578
2.000	-7.935	-.06793	-.02368	-.00575	-.00383	474.72735
2.000	-5.835	-.06751	-.00962	-.00307	-.00313	474.69157
2.000	-4.054	-.06734	.00330	-.00066	-.00245	474.72735
2.000	-1.656	-.06784	.02034	.00274	-.00280	474.94207
2.000	-.626	-.06893	.02822	.00446	-.00239	475.15678
2.000	.436	-.06936	.03705	.00619	-.00259	475.12099
2.000	1.472	-.06895	.04689	.00814	-.00249	475.04942
2.000	2.515	-.06977	.05509	.00996	-.00212	475.12099
2.000	4.606	-.07021	.07681	.01411	.00045	475.15678
2.000	6.694	-.06935	.09851	.01861	.00304	475.12099
2.000	8.810	-.06767	.11223	.02148	.00589	474.97785
2.000	11.021	-.06935	.11437	.02243	.00566	475.29992
	GRADIENT	-.00032	.00951	.00171	.00028	.04438

UPWT 1098/1119 (IA-44) CONFIGURATION 02/T4/S7 (YH8015) (05 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1293.3000 INCHES YMRP = .0000 IN. YT
BREF = 1293.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = -8.000
ELV-LI = 8.000 ELV-RI = 8.000
ELV-RO = -8.000 RUDDER = .000
SPDBRK = .000 BDFLAP = .000

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RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CBW	CTW	Q(PSF)
2.500	-10.926	-.01644	.00000	.00000	.00000	435.78601
2.500	-8.835	-.01724	.00000	.00000	.00000	435.59434
2.500	-6.755	-.01564	.00000	.00000	.00000	436.01646
2.500	-4.653	-.01604	.00000	.00000	.00000	435.83722
2.500	-2.590	-.01449	.00000	.00000	.00000	435.19707
2.500	-1.532	-.01685	.00000	.00000	.00000	434.78738
2.500	-.499	-.01680	.00000	.00000	.00000	435.19707
2.500	.542	-.01747	.00000	.00000	.00000	435.60677
2.500	1.582	-.01873	.00000	.00000	.00000	435.29950
2.500	3.648	-.01852	.00000	.00000	.00000	435.14586
2.500	5.718	-.01835	.00000	.00000	.00000	435.73480
2.500	7.809	-.01916	.00000	.00000	.00000	435.70919
2.500	9.891	-.02045	.00000	.00000	.00000	435.73480
	GRADIENT	-.00044	.00000	.00000	.00000	-.03996

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CBW	CTW	Q(PSF)
2.860	-10.617	-.01901	.00000	.00000	.00000	395.90449
2.860	-8.553	-.01741	.00000	.00000	.00000	396.36654
2.860	-6.471	-.01773	.00000	.00000	.00000	395.98151
2.860	-4.389	-.01845	.00000	.00000	.00000	396.05854
2.860	-2.331	-.01801	.00000	.00000	.00000	396.03928
2.860	-1.296	-.01909	.00000	.00000	.00000	395.05854
2.860	-.253	-.02026	.00000	.00000	.00000	395.11631
2.860	.771	-.01994	.00000	.00000	.00000	396.15492
2.860	1.795	-.02035	.00000	.00000	.00000	396.27036
2.860	3.861	-.02074	.00000	.00000	.00000	395.13556
2.860	5.927	-.02137	.00000	.00000	.00000	396.09705
2.860	7.999	-.02196	.00000	.00000	.00000	396.21259
2.860	10.073	-.02187	.00000	.00000	.00000	395.09705
	GRADIENT	-.00034	.00000	.00000	.00000	.02000

UPWT 1098/1119 (IA-44) CONFIGURATION 32/T4/S7 (YH8015) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 409.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = -8.000
ELV-LI = 8.000 ELV-RI = 8.000
ELV-RO = -8.000 RUDDER = .000
SPOBRK = .000 DEFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CSW	CTW	Q(PSF)
3.900	-10.535	-.01912	.00000	.00000	.00000	300.83057
3.900	-8.492	-.01828	.00000	.00000	.00000	300.74236
3.900	-6.457	-.01951	.00000	.00000	.00000	300.99096
3.900	-4.406	-.01957	.00000	.00000	.00000	300.95086
3.900	-2.365	-.01992	.00000	.00000	.00000	300.98294
3.900	-1.345	-.01997	.00000	.00000	.00000	300.86265
3.900	-.319	-.02079	.00000	.00000	.00000	300.99294
3.900	.698	-.02097	.00000	.00000	.00000	300.96690
3.900	1.722	-.02065	.00000	.00000	.00000	300.96690
3.900	3.756	-.02129	.00000	.00000	.00000	300.99898
3.900	5.798	-.02200	.00000	.00000	.00000	300.95096
3.900	7.842	-.02251	.00000	.00000	.00000	301.00790
3.900	9.889	-.02195	.00000	.00000	.00000	300.94284
	GRADIENT	-.00022	.00000	.00000	.00000	.00618

RUN NO. 0/ 0 RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CSW	CTW	Q(PSF)
4.600	-9.906	-.01857	.00000	.00000	.00000	233.95036
4.600	-7.859	-.01883	.00000	.00000	.00000	234.17202
4.600	-5.833	-.01917	.00000	.00000	.00000	234.02425
4.600	-3.805	-.02049	.00000	.00000	.00000	234.24591
4.600	-1.779	-.02033	.00000	.00000	.00000	234.24591
4.600	-.759	-.02111	.00000	.00000	.00000	234.24591
4.600	.245	-.02010	.00000	.00000	.00000	234.02425
4.600	1.266	-.02063	.00000	.00000	.00000	234.02425
4.600	2.287	-.02095	.00000	.00000	.00000	234.02425
4.600	4.310	-.02092	.00000	.00000	.00000	234.17202
4.600	6.328	-.02124	.00000	.00000	.00000	234.02425
4.600	8.359	-.02159	.00000	.00000	.00000	234.09814
4.600	10.400	-.02156	.00000	.00000	.00000	234.09814
	GRADIENT	-.00006	.00000	.00000	.00000	-.02254

ORIGINAL PAGE IS
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UPWT 1088/1119 (IA-44) CONFIGURATION 02/T4/S7 (YH8016) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = -4.000
ELV-LI = 8.000 ELV-RI = 8.000
ELV-RO = -4.000 RUDDER = .000
SPDBRK = .000 BDFLAP = .000

RUN NO. 0/ 0 RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CSW	CTW	Q(PSF)
1.600	-10.637	-.06789	-.07724	-.01186	-.01607	481.17888
1.600	-8.535	-.06964	-.05837	-.00936	-.01539	481.38968
1.600	-6.422	-.06769	-.03720	-.00433	-.01428	481.09456
1.600	-4.630	-.06745	-.01722	-.00042	-.01389	480.67295
1.600	-2.221	-.06755	.01111	.00527	-.01289	480.63079
1.600	-1.168	-.06641	.02440	.00809	-.01196	481.05239
1.600	-.114	-.06640	.03686	.01081	-.01121	481.30536
1.600	.944	-.06789	.04979	.01342	-.01062	481.43184
1.600	1.998	-.06642	.06276	.01612	-.00892	481.68480
1.600	4.084	-.05726	.08470	.02035	-.00575	482.02209
1.600	6.174	-.06832	.10019	.02355	-.00258	482.14857
1.600	8.275	-.06769	.11501	.02666	.00000	482.31721
1.600	10.460	-.07004	.12415	.02839	.00097	482.19073
	GRADIENT	.00004	.01192	.00243	.00092	.17251

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CSW	CTW	Q(PSF)
2.000	-9.998	-.07123	-.05174	-.00766	-.01485	475.37149
2.000	-7.925	-.06890	-.03900	-.00515	-.01395	475.51463
2.000	-5.822	-.06997	-.02538	-.00250	-.01358	475.69356
2.000	-4.044	-.07061	-.01265	-.00018	-.01325	475.76513
2.000	-1.648	-.06937	.00409	.00330	-.01317	475.83670
2.000	-.614	-.06894	.01032	.00496	-.01234	475.08521
2.000	.444	-.07009	.01973	.00671	-.01341	475.33570
2.000	1.484	-.06944	.02908	.00856	-.01349	475.37149
2.000	2.528	-.07142	.03842	.01040	-.01286	475.44306
2.000	4.620	-.07094	.05924	.01473	-.01079	475.55041
2.000	6.708	-.07219	.08050	.01894	-.00817	475.76513
2.000	8.811	-.06937	.09210	.02152	-.00593	475.90827
2.000	10.998	-.07008	.09365	.02232	-.00454	475.76513
	GRADIENT	-.00012	.00829	.00171	.00022	-.03099

UPWT 1099/1119 (IA-44) CONFIGURATION 02/T4/S7 (YH8016) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = -4.000
ELV-LI = 8.000 ELV-RI = 8.000
ELV-RO = -4.000 RUDDER = .000
SPOBRK = .000 BDFLAP = .000

RUN NO. 0/ 0 RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CBW	CTW	Q(PSF)
2.500	-10.911	-.01729	.00000	.00000	.00000	435.24829
2.500	-8.809	-.01814	.00000	.00000	.00000	435.19707
2.500	-6.722	-.01614	.00000	.00000	.00000	435.45313
2.500	-4.638	-.01775	.00000	.00000	.00000	435.55555
2.500	-2.547	-.01690	.00000	.00000	.00000	435.73480
2.500	-1.516	-.01773	.00000	.00000	.00000	435.78601
2.500	-.484	-.01742	.00000	.00000	.00000	435.86283
2.500	.553	-.01805	.00000	.00000	.00000	435.91404
2.500	1.580	-.01843	.00000	.00000	.00000	435.73480
2.500	3.654	-.01960	.00000	.00000	.00000	435.83722
2.500	5.730	-.01957	.00000	.00000	.00000	436.01645
2.500	7.825	-.02018	.00000	.00000	.00000	436.01645
2.500	9.902	-.01923	.00000	.00000	.00000	436.01646
	GRADIENT	-.00025	.00000	.00000	.00000	.02891

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CBW	CTW	Q(PSF)
2.860	-10.612	-.01913	.00000	.00000	.00000	395.51937
2.860	-8.539	-.01846	.00000	.00000	.00000	395.51937
2.860	-6.461	-.01839	.00000	.00000	.00000	395.51937
2.860	-4.367	-.01809	.00000	.00000	.00000	395.42309
2.860	-2.315	-.01974	.00000	.00000	.00000	395.57714
2.860	-1.276	-.01959	.00000	.00000	.00000	395.51937
2.860	-.256	-.01939	.00000	.00000	.00000	395.48086
2.860	.797	-.02036	.00000	.00000	.00000	395.76970
2.860	1.823	-.02046	.00000	.00000	.00000	395.55788
2.860	3.973	-.02117	.00000	.00000	.00000	395.61565
2.860	5.946	-.02186	.00000	.00000	.00000	395.51937
2.860	8.001	-.02206	.00000	.00000	.00000	395.57714
2.860	10.088	-.02100	.00000	.00000	.00000	395.51937
	GRADIENT	-.00034	.00000	.00000	.00000	.02272

UPWT 1988/1119 (TA-44) CONFIGURATION 02/T4/S7 (YH8016) (03 JAN 75)

REFERENCE DATA

SREF = 2699.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = -4.000
ELV-LI = 8.000 ELV-RI = 8.000
ELV-RO = -4.000 RUDDER = .000
SPDBRK = .000 BDFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CBW	CTW	Q(PSF)
3.900	-10.517	-.01901	.00000	.00000	.00000	300.75038
3.900	-8.481	-.01907	.00000	.00000	.00000	300.65216
3.900	-6.437	-.01997	.00000	.00000	.00000	300.66216
3.900	-4.389	-.02029	.00000	.00000	.00000	300.74236
3.900	-2.346	-.02048	.00000	.00000	.00000	300.71028
3.900	-1.319	-.02059	.00000	.00000	.00000	300.67820
3.900	-.300	-.02132	.00000	.00000	.00000	300.73434
3.900	.720	-.02075	.00000	.00000	.00000	300.72632
3.900	1.744	-.02134	.00000	.00000	.00000	300.67820
3.900	3.778	-.02146	.00000	.00000	.00000	300.68622
3.900	5.819	-.02223	.00000	.00000	.00000	300.68622
3.900	7.866	-.02268	.00000	.00000	.00000	300.73434
3.900	9.906	-.02229	.00000	.00000	.00000	300.71028
	GRADIENT	-.00016	.00000	.00000	.00000	-.00562

RUN NO. 0/ 0 RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CBW	CTW	Q(PSF)
4.600	-9.895	-.01880	.00000	.00000	.00000	234.48875
4.600	-7.857	-.01851	.00000	.00000	.00000	234.34097
4.600	-5.825	-.01910	.00000	.00000	.00000	234.48875
4.600	-3.793	-.01904	.00000	.00000	.00000	234.34097
4.600	-1.760	-.01972	.00000	.00000	.00000	234.48875
4.600	-.747	-.02043	.00000	.00000	.00000	234.56263
4.600	.272	-.02069	.00000	.00000	.00000	234.56263
4.600	1.278	-.02108	.00000	.00000	.00000	234.85818
4.600	2.304	-.02073	.00000	.00000	.00000	234.63652
4.600	4.336	-.02076	.00000	.00000	.00000	234.56263
4.600	6.355	-.02101	.00000	.00000	.00000	234.48875
4.600	8.388	-.02091	.00000	.00000	.00000	234.56263
4.600	10.421	-.02134	.00000	.00000	.00000	234.71041
	GRADIENT	-.00022	.00000	.00000	.00000	.03458

VFWT 1089/1119 (IA-44) CONFIGURATION 02/T4/S7 (YH8017) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = 4.000 ELV-RI = 4.000
ELV-RO = .000 RUDDER = .000
SPDBK = .000 BDFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CBW	CTW	Q(PSF)
1.600	-10.635	-.05497	-.07662	-.01108	-.01290	481.69048
1.600	-8.537	-.05420	-.05863	-.00765	-.01255	481.22104
1.600	-6.420	-.06685	-.03866	-.00384	-.01201	480.88375
1.600	-4.621	-.05534	-.01836	.00023	-.01176	480.88375
1.600	-2.222	-.06314	.01023	.00512	-.01028	481.17888
1.600	-1.171	-.06469	.02301	.00875	-.01004	481.13672
1.600	-.106	-.06440	.03613	.01154	-.00939	481.26320
1.600	.935	-.06525	.04857	.01414	-.00936	481.05239
1.600	1.988	-.06605	.06127	.01675	-.00728	481.17888
1.600	4.087	-.06376	.08378	.02114	-.00330	481.22104
1.600	6.171	-.06555	.09911	.02426	-.00025	481.22104
1.600	8.278	-.06447	.11499	.02727	.00202	481.26320
1.600	10.460	-.06277	.12295	.02895	.00317	481.30536
	GRADIENT	.00000	.01183	.00243	.00091	.02865

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CBW	CTW	Q(PSF)
2.000	-10.025	-.05592	-.05491	-.00738	-.01257	475.87248
2.000	-7.951	-.05739	-.04085	-.00489	-.01182	478.80687
2.000	-5.841	-.06636	-.02647	-.00216	-.01079	478.95002
2.000	-4.054	-.06546	-.01479	.00012	-.01074	474.44107
2.000	-1.665	-.06607	.00299	.00364	-.01070	474.65578
2.000	-.620	-.06565	.01136	.00533	-.01057	475.37149
2.000	.428	-.06646	.02028	.00722	-.01049	475.40727
2.000	1.474	-.06770	.03105	.00925	-.01029	474.99528
2.000	2.524	-.06693	.03987	.01099	-.01041	474.76314
2.000	4.605	-.06512	.06165	.01544	-.00811	474.87049
2.000	6.699	-.06654	.09309	.01978	-.00549	474.90628
2.000	8.797	-.06561	.09606	.02259	-.00278	474.94207
2.000	10.986	-.06545	.09853	.02346	-.00163	475.01364
	GRADIENT	-.00012	.00955	.00177	.00025	.03455

UPWT 1988/1119 (IA-44) CONFIGURATION 02/T4/S7 (YH8017) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = 4.000 ELV-RI = 4.000
ELV-RO = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CSW	CTW	Q(PSF)
2.500	-10.922	-.01424	.00000	.00000	.00000	435.12026
2.500	-8.812	-.01501	.00000	.00000	.00000	434.76177
2.500	-6.728	-.01394	.00000	.00000	.00000	434.76177
2.500	-4.639	-.01439	.00000	.00000	.00000	434.88980
2.500	-2.564	-.01525	.00000	.00000	.00000	435.09465
2.500	-1.523	-.01708	.00000	.00000	.00000	435.04344
2.500	-.487	-.01812	.00000	.00000	.00000	435.22268
2.500	.551	-.01741	.00000	.00000	.00000	435.22268
2.500	1.593	-.01799	.00000	.00000	.00000	435.29950
2.500	3.655	-.01993	.00000	.00000	.00000	435.73480
2.500	5.736	-.02071	.00000	.00000	.00000	435.22268
2.500	7.821	-.02320	.00000	.00000	.00000	435.22268
2.500	9.911	-.02359	.00000	.00000	.00000	435.65799
	GRADIENT	-.00064	.00000	.00000	.00000	.09196

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CSW	CTW	Q(PSF)
2.860	-10.613	-.01379	.00000	.00000	.00000	395.59639
2.860	-8.545	-.01523	.00000	.00000	.00000	395.82747
2.860	-6.454	-.01655	.00000	.00000	.00000	395.82747
2.860	-4.392	-.01646	.00000	.00000	.00000	396.42449
2.860	-2.306	-.01883	.00000	.00000	.00000	396.32812
2.860	-1.276	-.01897	.00000	.00000	.00000	396.17408
2.860	-.244	-.01975	.00000	.00000	.00000	396.11631
2.860	.789	-.02033	.00000	.00000	.00000	396.19333
2.860	1.829	-.02150	.00000	.00000	.00000	396.32812
2.860	3.867	-.02163	.00000	.00000	.00000	396.23184
2.860	5.939	-.02359	.00000	.00000	.00000	396.13556
2.860	8.012	-.02455	.00000	.00000	.00000	396.19333
2.860	10.085	-.02387	.00000	.00000	.00000	396.21259
	GRADIENT	-.00063	.00000	.00000	.00000	-.01739

UPWT 1089/1119 (IA-44) CONFIGURATION 02/T4/S7 (YH8017) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = 4.000 ELV-RI = 4.000
ELV-RO = .000 RUDDER = .000
SPDBRK = .000 DFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CSW	CTW	Q(PSF)
3.900	-10.520	-.01643	.00000	.00000	.00000	301.32777
3.900	-8.485	-.01721	.00000	.00000	.00000	300.95888
3.900	-6.439	-.01821	.00000	.00000	.00000	300.82255
3.900	-4.392	-.01925	.00000	.00000	.00000	300.82255
3.900	-2.355	-.02051	.00000	.00000	.00000	300.82255
3.900	-1.330	-.02049	.00000	.00000	.00000	300.79849
3.900	-.311	-.02008	.00000	.00000	.00000	300.76542
3.900	.714	-.02172	.00000	.00000	.00000	300.80651
3.900	1.737	-.02085	.00000	.00000	.00000	300.75038
3.900	3.777	-.02233	.00000	.00000	.00000	300.79949
3.900	5.817	-.02256	.00000	.00000	.00000	300.74236
3.900	7.859	-.02337	.00000	.00000	.00000	300.87869
3.900	9.899	-.02349	.00000	.00000	.00000	300.82255
	GRADIENT	-.00033	.00000	.00000	.00000	-.00542

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CSW	CTW	Q(PSF)
4.600	-9.884	-.01690	.00000	.00000	.00000	235.26081
4.600	-7.870	-.01782	.00000	.00000	.00000	235.49247
4.600	-5.827	-.01799	.00000	.00000	.00000	235.26081
4.600	-3.795	-.01909	.00000	.00000	.00000	235.26081
4.600	-1.774	-.01948	.00000	.00000	.00000	235.18692
4.600	-.752	-.01897	.00000	.00000	.00000	235.11303
4.600	.275	-.01958	.00000	.00000	.00000	235.11303
4.600	1.295	-.02092	.00000	.00000	.00000	235.33470
4.600	2.391	-.02034	.00000	.00000	.00000	235.18692
4.600	4.327	-.02072	.00000	.00000	.00000	235.26081
4.600	6.359	-.02150	.00000	.00000	.00000	235.33470
4.600	8.384	-.02137	.00000	.00000	.00000	235.18692
4.600	10.412	-.02224	.00000	.00000	.00000	235.40859
	GRADIENT	-.00024	.00000	.00000	.00000	.00519

UPWT 1089/1119 (IA-44) CONFIGURATION T4 (YH8018) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .010

PARAMETRIC DATA

BETA = .000 TANK = 1.000

RUN NO. 0/ 0 RNVL = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CBW	CTW	Q(PSF)
2.860	-10.116	-.00105	.00000	.00000	.00000	395.65416
2.860	-8.098	-.00049	.00000	.00000	.00000	395.98151
2.860	-6.072	-.00029	.00000	.00000	.00000	396.03928
2.860	-4.051	.00005	.00000	.00000	.00000	395.98523
2.860	-2.027	.00012	.00000	.00000	.00000	396.09705
2.860	-1.019	.00068	.00000	.00000	.00000	396.13556
2.860	.004	-.00064	.00000	.00000	.00000	396.09705
2.860	1.006	.00026	.00000	.00000	.00000	395.50011
2.860	2.025	.00039	.00000	.00000	.00000	395.38458
2.860	4.045	.00042	.00000	.00000	.00000	395.73119
2.860	6.070	.00058	.00000	.00000	.00000	395.53953
2.860	8.096	.00095	.00000	.00000	.00000	396.23184
2.860	10.123	.00090	.00000	.00000	.00000	395.98151
	GRADIENT	.00001	.00000	.00000	.00000	-.05295

RUN NO. 0/ 0 RNVL = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CBW	CTW	Q(PSF)
4.600	-9.478	-.00143	.00000	.00000	.00000	235.89214
4.600	-7.469	-.00134	.00000	.00000	.00000	235.75935
4.600	-5.454	-.00094	.00000	.00000	.00000	235.75935
4.600	-3.441	-.00091	.00000	.00000	.00000	235.59296
4.600	-1.435	-.00059	.00000	.00000	.00000	235.75935
4.600	-.421	-.00091	.00000	.00000	.00000	235.82575
4.600	.577	-.00034	.00000	.00000	.00000	235.59296
4.600	1.596	-.00069	.00000	.00000	.00000	235.82575
4.600	2.603	-.00015	.00000	.00000	.00000	235.75935
4.600	4.605	-.00009	.00000	.00000	.00000	235.75935
4.600	6.619	-.00006	.00000	.00000	.00000	235.59296
	GRADIENT	.00010	.00000	.00000	.00000	.00530

UPWT 1088/1119 (IA-44) CONFIGURATION T4 (YH8019) (23 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 975.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

ALPHA = .000 TANK = 1.000

RUN NO. D/ D RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CNW	CBW	CTW	Q(PSF)
2.860	-10.133	-.00082	.00000	.00000	.00000	395.80821
2.860	-8.119	-.00128	.00000	.00000	.00000	396.07780
2.860	-6.092	-.00638	.00000	.00000	.00000	395.23184
2.860	-4.052	-.00952	.00000	.00000	.00000	395.94300
2.860	-2.010	-.01070	.00000	.00000	.00000	395.90449
2.860	.001	-.01191	.00000	.00000	.00000	395.84672
2.860	2.013	-.01190	.00000	.00000	.00000	395.96226
2.860	4.045	-.01403	.00000	.00000	.00000	396.15482
2.860	6.094	-.01172	.00000	.00000	.00000	395.98151
2.860	8.124	-.01023	.00000	.00000	.00000	396.07780
2.860	10.241	-.00123	.00000	.00000	.00000	396.07780
	GRADIENT	-.00051	.00000	.00000	.00000	.02390

RUN NO. D/ D RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CNW	CBW	CTW	Q(PSF)
4.600	-10.066	.58030	.00000	.00000	.00000	235.82575
4.600	-8.067	.57594	.00000	.00000	.00000	235.75935
4.600	-6.063	.57291	.00000	.00000	.00000	235.69295
4.600	-4.011	.57891	.00000	.00000	.00000	235.75935
4.600	-1.999	.57706	.00000	.00000	.00000	235.75935
4.600	.000	.57439	.00000	.00000	.00000	235.56017
4.600	1.982	.58041	.00000	.00000	.00000	235.62656
4.600	4.058	.58521	.00000	.00000	.00000	235.69296
4.600	6.056	.58552	.00000	.00000	.00000	235.69296
4.600	8.091	.58643	.00000	.00000	.00000	235.69296
4.600	10.171	.58819	.00000	.00000	.00000	235.75935
	GRADIENT	.00099	.00000	.00000	.00000	-.01310

UPWT 1088/1119 (IA-44) CONFIGURATION 02/T4 (YH8020) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = .000

RUN NO. 0/ 0 RNVL = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CSW	CTW	Q(PSF)
2.500	-10.702	-.00050	-.07951	-.01050	-.01306	435.27389
2.500	-8.648	.00201	-.06732	-.00836	-.01247	435.24829
2.500	-6.581	.00253	-.05518	-.00616	-.01180	435.45313
2.500	-4.536	.00342	-.04200	-.00387	-.01125	435.37631
2.500	-2.502	.00302	-.02969	-.00148	-.01052	435.40192
2.500	-1.463	.00147	-.02267	-.00022	-.01043	436.19570
2.500	-.450	.00238	-.01629	.00105	-.01014	435.52995
2.500	.567	.00403	-.00915	.00247	-.00978	435.37631
2.500	1.601	.00304	-.00291	.00378	-.00976	435.17147
2.500	3.649	.00273	.01291	.00678	-.00880	435.27389
2.500	5.687	.00423	.02641	.00973	-.00783	435.32510
2.500	7.739	.00214	.04081	.01267	-.00711	435.70919
2.500	9.794	.00082	.05387	.01561	-.00650	435.70919
	GRADIENT	-.00000	.00666	.00130	.00028	-.03921

RUN NO. 0/ 0 RNVL = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CSW	CTW	Q(PSF)
2.860	-10.448	-.00103	-.06936	-.00865	-.01322	396.59771
2.860	-8.400	-.00005	-.05032	-.00709	-.01267	395.35532
2.860	-5.347	.00026	-.05035	-.00538	-.01212	395.30755
2.860	-4.296	-.00032	-.04187	-.00370	-.01165	395.36532
2.860	-2.259	-.00059	-.03114	-.00184	-.01122	395.42309
2.860	-1.243	-.00059	-.02570	-.00083	-.01099	395.34607
2.860	-.231	.00014	-.02031	.00022	-.01045	395.57714
2.860	.791	.00007	-.01405	.00133	-.01031	395.69267
2.860	1.821	.00009	-.00804	.00256	-.00983	395.80821
2.860	3.853	-.00033	.00432	.00498	-.00872	395.73112
2.860	5.901	-.00050	.01679	.00753	-.00804	395.80821
2.860	7.939	-.00112	.03092	.01029	-.00701	395.82747
2.860	9.982	-.00151	.04369	.01301	-.00634	395.78895
	GRADIENT	.00005	.00567	.00197	.00035	.06031

UPWT 1038/1119 (IA-44) CONFIGURATION 02/T4 (YH8029) (03 JAN 75)

REFERENCE DATA

SREF = 2699.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 409.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPOBRK = .000 BOFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CSW	CTW	Q(PSF)
3.900	-10.429	-.00232	-.06034	-.00654	-.01499	300.38951
3.900	-8.399	-.00219	-.05662	-.00572	-.01540	300.12487
3.900	-6.377	-.00228	-.05299	-.00498	-.01534	300.20506
3.900	-4.348	-.00201	-.04780	-.00363	-.01488	300.82255
3.900	-2.319	-.00245	-.04205	-.00247	-.01448	300.91077
3.900	-1.301	-.00335	-.03874	-.00186	-.01475	300.70226
3.900	-.295	-.00246	-.03611	-.00122	-.01465	300.81453
3.900	.721	-.00252	-.03313	-.00050	-.01435	300.79849
3.900	1.741	-.00288	-.02913	.00039	-.01408	300.99096
3.900	3.760	-.00249	-.02044	.00206	-.01316	300.95899
3.900	5.789	-.00250	-.01112	.00390	-.01259	300.88671
3.900	7.816	-.00160	-.00236	.00589	-.01212	300.88671
3.900	9.845	-.00230	.00514	.00770	-.01203	300.91878
	GRADIENT	-.00004	.00331	.00070	.00019	.01984

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CSW	CTW	Q(PSF)
4.600	-9.827	-.00031	-.07998	-.00647	-.02398	235.28794
4.600	-7.816	-.00029	-.07777	-.00572	-.02315	234.92317
4.600	-5.794	-.00092	-.07140	-.00474	-.02242	235.08975
4.600	-3.767	-.00054	-.06551	-.00330	-.02173	234.88957
4.600	-1.752	-.00033	-.06116	-.00226	-.02123	234.88957
4.600	-.735	-.00097	-.05765	-.00171	-.02095	235.02236
4.600	.265	-.00041	-.05455	-.00103	-.02027	234.75678
4.600	1.279	-.00089	-.05225	-.00050	-.02022	234.88957
4.600	2.294	-.00100	-.04958	-.00006	-.02074	235.15515
4.600	4.307	-.00061	-.04351	.00129	-.02005	234.95596
4.600	6.327	.00003	-.03652	.00285	-.01911	234.95596
4.600	8.349	-.00016	-.02916	.00450	-.01890	234.75678
4.600	10.372	-.00026	-.02178	.00616	-.01965	235.02236
	GRADIENT	-.00004	.00274	.00057	.00020	.01571

UPWT 1088/1119 (IA-44) CONFIGURATION 02/T4 (YH8021) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

ALPHA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPDBRK = .000 BOFLAP = .000

ORIGINAL PAGE IS
OF POOR QUALITY

RUN NO. 9/ 9 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CNW	CBW	CTW	Q(PSF)
2.860	-10.306	-.22371	-.01105	.00170	-.00727	395.82747
2.860	-8.256	-.23269	-.01135	.00150	-.00716	395.11631
2.860	-6.190	-.22265	-.01313	.00107	-.00775	395.98151
2.860	-4.111	-.22249	-.01635	.00063	-.00861	396.02003
2.860	-2.020	-.21991	-.02010	.00016	-.00995	395.94300
2.860	-.019	-.21899	-.01987	.00020	-.01046	395.05854
2.860	2.040	-.21920	-.01890	.00037	-.01109	395.98151
2.860	4.119	-.21625	-.01888	.00057	-.01143	395.90449
2.860	6.197	-.22010	-.01735	.00094	-.01182	395.28961
2.860	8.262	-.22176	-.01461	.00161	-.01195	396.25110
2.860	10.372	-.22691	-.01388	.00224	-.01275	396.07790
	GRADIENT	.00064	-.00019	.00000	-.00032	-.00948

RUN NO. 9/ 9 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CNW	CBW	CTW	Q(PSF)
3.900	-10.203	-.27881	-.03439	-.00039	-.01308	301.09521
3.900	-8.161	-.28431	-.03575	-.00054	-.01313	300.87869
3.900	-6.133	-.28893	-.03513	-.00068	-.01316	300.87067
3.900	-4.076	-.28584	-.03695	-.00100	-.01429	300.93859
3.900	-2.023	-.29223	-.03964	-.00119	-.01482	301.03908
3.900	-.020	-.28919	-.04031	-.00115	-.01558	300.91878
3.900	2.003	-.29873	-.03903	-.00081	-.01577	300.42158
3.900	4.065	-.28562	-.03787	-.00048	-.01649	300.42960
3.900	6.123	-.28451	-.03698	.00002	-.01685	300.57395
3.900	8.153	-.29703	-.03628	.00053	-.01700	300.67018
3.900	10.288	-.29442	-.03394	.00131	-.01743	300.74236
	GRADIENT	.00019	-.00006	.00007	-.00026	-.07057

UPWT 1088/1119 (IA-44) CONFIGURATION 32/T4 (YH8021) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
DREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

ALPHA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CNW	CBW	CTW	Q(PSF)
4.600	-10.135	.26484	-.05315	-.00074	-.01932	235.02236
4.600	-8.139	.26131	-.05232	-.00092	-.01934	235.15515
4.600	-6.084	.26916	-.05182	-.00099	-.01895	235.02236
4.600	-4.055	.26690	-.05212	-.00112	-.01949	235.08875
4.600	-2.012	.26796	-.05525	-.00125	-.01980	234.88957
4.600	-.019	.27207	-.05327	-.00104	-.02002	235.02236
4.600	2.013	.27309	-.05081	-.00058	-.02012	235.02236
4.600	4.045	.27616	-.05055	-.00044	-.02099	235.08875
4.600	6.095	.26915	-.04996	-.00001	-.02143	235.08875
4.600	8.143	.26794	-.04605	.00077	-.02105	235.08875
4.600	10.236	.26895	-.04485	.00139	-.02168	235.02236
	GRADIENT	.00117	.00037	.00010	-.00016	.00552

ORIGINAL PAGE IS
OF POOR QUALITY

UFWT 1088/1119 (IA-44) CONFIGURATION 32/T4/S7 (YH8022) (01 MAY 75)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	976.0000 IN. XT
LREF =	1290.3000 INCHES	YMRP =	.0000 IN. YT
BREF =	1290.3000 INCHES	ZMRP =	400.0000 IN. ZT
SCALE =	.0100		

PARAMETRIC DATA

BETA =	.000	ELV-LO =	.000
ELV-LI =	.000	ELV-RI =	.000
ELV-RO =	.000	RUDDER =	.000
SPOIR =	.000	BOFLAP =	.000

RUN NO. 0/ 0 RNVL = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CBW	CTW	Q(PSF)
2.000	-10.004	-.06639	-.05851	-.00774	-.01098	475.51463
2.000	-7.928	-.06741	-.04623	-.00539	-.01035	475.37149
2.000	-5.833	-.06685	-.03256	-.00279	-.00999	475.04942
2.000	-4.042	-.06759	-.02009	-.00041	-.00993	475.04942
2.000	-1.662	-.05631	-.00337	.00304	-.00971	475.12099
2.000	-.604	-.06814	.00548	.00474	-.00990	475.15678
2.000	.441	-.06793	.01420	.00658	-.01002	475.19256
2.000	1.477	-.06759	.02304	.00844	-.00972	475.15678
2.000	2.519	-.06738	.03225	.01028	-.00950	475.40727
2.000	4.605	-.06746	.05527	.01482	-.00739	475.12099
2.000	6.699	-.06984	.07652	.01902	-.00471	475.37149
2.000	8.807	-.06857	.09859	.02154	-.00245	475.33579
2.000	10.993	-.06939	.09079	.02242	-.00129	475.47884
	GRADIENT	-.00002	.00865	.00175	.00024	.01932

UPWT 1088/1119 (IA-44) CONFIGURATION 02/T4/S7 (YH8023) (03 JAN 75)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	976.0000 IN. XT		
LREF =	1290.3000 INCHES	YMRP =	.0000 IN. YT		
BREF =	1290.3000 INCHES	ZMRP =	400.0000 IN. ZT		
SCALE =	.0100				

PARAMETRIC DATA

ALPHA =	.000	ELV-LO =	.000
ELV-LI =	.000	ELV-RI =	.000
ELV-RO =	.000	RUDDER =	.000
SPOBRK =	.000	BDFLAP =	.000

RUN NO. 0/ 0 RNVL = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CNW	CBW	CTW	Q(PSF)
1.600	-10.468	-.13501	-.00528	.00520	-.00122	482.14857
1.600	-8.447	-.12768	.00779	.00744	-.00173	481.09456
1.600	-6.337	-.12913	.01411	.00853	-.00295	481.34752
1.600	-4.236	-.13125	.01942	.00948	-.00441	481.69480
1.600	-2.143	-.13932	.01678	.00941	-.00694	481.38968
1.600	-.067	-.12315	.02503	.01053	-.00869	481.47490
1.600	2.012	-.12561	.02809	.01052	-.01028	481.60048
1.600	4.168	-.11719	.03275	.01119	-.01076	481.64264
1.600	6.189	-.12690	.03481	.01147	-.01122	480.79943
1.600	8.313	-.13211	.03673	.01180	-.01164	481.13672
1.600	10.477	-.12962	.04359	.01310	-.01126	481.05239
	GRADIENT	.00200	.00181	.00022	-.00076	.00609

RUN NO. 0/ 0 RNVL = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CNW	CBW	CTW	Q(PSF)
2.000	-10.457	.42320	.00604	.00550	-.00395	475.76513
2.000	-8.372	.43415	.01274	.00640	-.00404	475.72934
2.000	-6.305	.43184	.01344	.00673	-.00521	474.83471
2.000	-4.215	.43547	.01434	.00703	-.00689	474.76314
2.000	-2.127	.43359	.01016	.00634	-.00885	475.19256
2.000	-.071	.43827	.01432	.00650	-.00946	475.19256
2.000	2.022	.43500	.01658	.00652	-.01004	475.22835
2.000	4.082	.43489	.02010	.00686	-.01027	475.08521
2.000	6.173	.43994	.02221	.00699	-.01071	475.19256
2.000	8.239	.44094	.02681	.00771	-.01099	475.19256
2.000	10.429	.44790	.03329	.00896	-.01157	475.08521
	GRADIENT	.00001	.00085	-.00001	-.00039	.03284

UPWT 1088/1119 (IA-44) CONFIGURATION 02/T4/57 (YH8024) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = -8.000
ELV-LI = 8.000 ELV-RI = 8.000
ELV-RO = -8.000 RUDDER = .000
SPOIR = .000 SDFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CSW	CTW	Q(PSF)
2.500	-10.921	-.00312	-.03738	-.00547	-.01119	434.96662
2.500	-8.818	-.00136	-.02577	-.00369	-.01034	434.91541
2.500	-6.733	-.00050	-.01657	-.00190	-.00969	434.96662
2.500	-4.641	.00059	-.00781	-.00015	-.00956	434.94102
2.500	-2.562	.00187	.00075	.00148	-.00957	434.71056
2.500	-1.526	.00144	.00459	.00230	-.00906	434.86420
2.500	-.495	.00210	.00769	.00298	-.00905	434.91541
2.500	.544	.00184	.01099	.00367	-.00943	434.76177
2.500	1.587	.00212	.01450	.00435	-.00957	435.60677
2.500	3.651	.00339	.02599	.00690	-.00924	435.14586
2.500	5.724	.00172	.04136	.00949	-.00975	435.22258
2.500	7.809	.00161	.05530	.01244	-.00847	435.22268
2.500	9.897	.00158	.06382	.01489	-.00812	435.17147
	GRADIENT	.00029	.00398	.00080	.00002	.05769

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CSW	CTW	Q(PSF)
2.860	-10.618	-.00308	-.03105	-.00418	-.01125	395.71193
2.860	-8.533	-.00287	-.02499	-.00304	-.01094	395.86598
2.860	-6.462	-.00099	-.01887	-.00181	-.01045	395.98151
2.860	-4.387	-.00010	-.01257	-.00056	-.00983	395.96226
2.860	-2.315	-.00031	-.00778	.00045	-.00950	395.90449
2.860	-1.282	-.00119	-.00565	.00092	-.00998	395.92375
2.860	-.257	-.00048	-.00255	.00152	-.00985	396.13556
2.860	.775	.00026	.00044	.00215	-.00966	396.23184
2.860	1.813	-.00030	.00357	.00283	-.00981	396.17408
2.860	3.864	-.00012	.01392	.00478	-.00960	396.38599
2.860	5.930	-.00119	.02489	.00594	-.00935	396.34738
2.860	8.000	-.00111	.03343	.00887	-.00942	396.13556
2.860	10.079	-.00040	.04208	.01090	-.00914	396.53994
	GRADIENT	.00003	.00311	.00063	.00003	.05853

UPWT 1088/1119 (IA-44) CONFIGURATION 32/T4/S7 (YH9024) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 409.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = -8.000
ELV-LI = 8.000 ELV-RI = 8.000
ELV-RO = -8.000 RUDDER = .000
SPDBRK = .000 BDFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CBW	CTW	Q(PSF)
3.900	-10.526	-.00152	-.04322	-.00357	-.01695	300.77444
3.900	-8.485	-.00186	-.04440	-.00339	-.01801	300.69424
3.900	-6.437	-.00180	-.04408	-.00309	-.01802	300.75840
3.900	-4.395	-.00159	-.04142	-.00227	-.01826	300.71839
3.900	-2.359	-.00109	-.03938	-.00159	-.01815	300.63009
3.900	-1.335	-.00123	-.03803	-.00116	-.01832	300.61405
3.900	-.320	-.00075	-.03732	-.00063	-.01835	300.79047
3.900	.705	-.00076	-.03552	-.00013	-.01832	300.75940
3.900	1.728	-.00080	-.03348	.00045	-.01820	300.73434
3.900	3.763	-.00113	-.02810	.00160	-.01812	300.68522
3.900	5.806	-.00076	-.02296	.00302	-.01792	300.72632
3.900	7.852	-.00079	-.01885	.00409	-.01811	300.68622
3.900	9.896	-.00009	-.01675	.00513	-.01877	300.74236
	GRADIENT	.00007	.00158	.00048	.00001	.00524

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CNW	CBW	CTW	Q(PSF)
4.600	-9.899	-.00151	-.06120	-.00413	-.02367	235.29222
4.600	-7.871	-.00093	-.05156	-.00397	-.02325	235.15943
4.600	-5.834	-.00091	-.05897	-.00350	-.02239	235.22582
4.600	-3.802	-.00076	-.05596	-.00256	-.02184	235.09303
4.600	-1.771	-.00128	-.05244	-.00191	-.02169	235.29222
4.600	-.755	-.00083	-.04987	-.00141	-.02099	235.09303
4.600	.261	-.00077	-.04770	-.00092	-.02066	235.15943
4.600	1.274	-.00028	-.04576	-.00045	-.01992	235.02664
4.600	2.284	-.00010	-.04352	.00004	-.01973	235.09303
4.600	4.319	-.00090	-.03941	.00087	-.01976	235.22582
4.600	6.351	-.00077	-.03536	.00182	-.01996	235.09303
4.600	8.385	-.00032	-.02956	.00296	-.01965	235.15943
4.600	10.415	-.00047	-.02457	.00391	-.01919	235.22582
	GRADIENT	.00005	.00207	.00044	.00031	.00156

UPWT 1088/1119 (IA-44) CONFIGURATION T4/57 (RH8001) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 TANK = 1.000
SRB = 1.000

RUN NO. 0/ 0 RNVL = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
1.600	-10.222	-.04816	-.49592	.29140	.11126	.01505	-.00587	-.00140	-.43634	.37478	-1.16427
1.600	-8.158	-.04739	-.37710	.29027	.08330	.01260	-.00440	-.00075	-.33210	.34084	-.97434
1.600	-6.089	-.04693	-.27699	.28693	.06755	.01160	-.00387	-.00049	-.24509	.31380	-.78103
1.600	-4.340	-.04509	-.20153	.28272	.05695	.00907	-.00315	-.00036	-.17956	.29716	-.60425
1.600	-1.973	-.04607	-.11344	.27752	.04621	.00990	-.00311	-.00038	-.10382	.28126	-.36913
1.600	-.939	-.04629	-.07458	.27595	.03780	.01073	-.00381	-.00039	-.07005	.27714	-.25275
1.600	.088	-.04558	-.03565	.27779	.03039	.00994	-.00369	-.00045	-.03709	.27773	-.13355
1.600	1.126	-.04507	.00844	.27738	.02171	.00975	-.00394	-.00026	.00299	.27759	.01076
1.600	2.160	-.04517	.05026	.27719	.01221	.01015	-.00423	-.00027	.03978	.27889	.14265
1.600	4.226	-.04433	.12447	.27992	.00335	.00963	-.00439	.00002	.10351	.28823	.35911
1.600	6.310	-.04347	.21645	.29144	-.01154	.00897	-.00432	.00021	.18422	.30353	.60692
1.600	8.390	-.04228	.32577	.29173	-.03249	.00729	-.00372	.00045	.28217	.32639	.86450
1.600	10.558	-.04401	.45726	.29130	-.05787	.00921	-.00392	.00116	.39797	.36032	1.10449
	GRADIENT	.00013	.03843	-.00026	-.00557	.00005	-.00016	.00004	.03345	-.00097	.11513

RUN NO. 0/ 0 RNVL = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
2.000	-9.672	-.06160	-.45520	.25448	.11952	.00729	-.00191	-.00069	-.40597	.32733	-1.24025
2.000	-7.637	-.06145	-.34063	.25276	.09475	.00555	-.00080	-.00065	-.30402	.29579	-1.02783
2.000	-5.591	-.06074	-.23657	.24969	.05860	.00395	-.00023	-.00037	-.21112	.27155	-.77745
2.000	-3.822	-.06120	-.15310	.24823	.04677	.00476	-.00052	-.00035	-.14519	.25955	-.55543
2.000	-1.470	-.06251	-.07812	.24473	.03461	.00651	-.00089	.00001	-.07181	.24556	-.29114
2.000	-.445	-.06130	-.04374	.24352	.02739	.00478	-.00026	-.00001	-.04185	.24385	-.17163
2.000	.592	-.06106	-.00515	.24383	.01609	.00516	-.00078	-.00012	-.00757	.24376	-.03147
2.000	1.609	-.06171	.03015	.24569	.00884	.00597	-.00085	-.00009	.02321	.24744	.09380
2.000	2.630	-.06133	.06558	.24844	.00301	.00599	-.00124	-.00002	.05519	.25123	.21934
2.000	4.737	-.06061	.13993	.25015	-.00739	.00479	-.00117	-.00041	.11879	.25085	.45539
2.000	6.762	-.06147	.23199	.24933	-.02683	.00474	-.00076	.00042	.20101	.27491	.73118
2.000	8.843	-.06137	.33673	.24703	-.05556	.00497	-.00133	.00093	.29475	.29595	.99624
2.000	11.052	-.06144	.45012	.24375	-.09522	.00526	-.00202	.00119	.40485	.32744	1.23644
	GRADIENT	.00009	.03541	.00039	-.00670	.00001	-.00009	-.00001	.03099	.00043	.12065

UPWT 1088/1119 (IA-44) CONFIGURATION T4/S7 (RH8001) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 TANK = 1.000
SRB = 1.000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
2.500	-10.503	-.01792	-.46325	.22130	.13167	.00205	-.00236	-.00043	-.41515	.30204	-1.37452
2.500	-8.439	-.01717	-.35525	.21874	.09551	.00121	-.00217	-.00027	-.31930	.26851	-1.18915
2.500	-6.376	-.01745	-.25456	.21761	.06489	.00270	-.00322	-.00016	-.22882	.24453	-.93575
2.500	-4.320	-.01649	-.17288	.21577	.04674	.00074	-.00275	-.00016	-.15614	.22818	-.68427
2.500	-2.264	-.01679	-.09619	.21441	.03283	-.00035	-.00195	-.00016	-.08764	.21804	-.40196
2.500	-1.240	-.01752	-.05335	.21350	.02752	.00042	-.00193	-.00012	-.05871	.21482	-.27331
2.500	-.209	-.01742	-.02576	.21385	.01852	-.00026	-.00131	-.00018	-.02498	.21394	-.11677
2.500	.912	-.01750	.01161	.21482	.00795	.00019	-.00159	-.00025	.00857	.21497	.03984
2.500	1.940	-.01650	.04513	.21652	.00091	-.00085	-.00149	-.00037	.03815	.21786	.17512
2.500	3.887	-.01602	.11511	.21843	-.01238	-.00114	-.00180	-.00059	.10008	.22573	.44316
2.500	5.949	-.01655	.20275	.22007	-.03232	.00066	-.00319	-.00015	.17885	.23990	.74554
2.500	8.007	-.01588	.30034	.21909	-.05247	.00065	-.00367	.00001	.26690	.25878	1.03138
2.500	10.075	-.01556	.40726	.21787	-.09917	-.00073	-.00259	.00023	.36287	.28576	1.26986
	GRADIENT	.00006	.03503	.00039	-.00742	-.00020	.00012	-.00004	.03118	-.00023	.13972

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
2.860	-10.251	-.01871	-.43746	.20648	.12979	.00404	-.00345	-.00071	-.39373	.28103	-1.40102
2.860	-8.200	-.01871	-.34054	.20344	.09865	.00346	-.00278	-.00046	-.30804	.24993	-1.23249
2.860	-6.147	-.01803	-.24784	.20095	.06997	.00281	-.00277	-.00033	-.22491	.22623	-.99416
2.860	-4.091	-.01910	-.16195	.20079	.04603	.00356	-.00288	-.00012	-.14721	.21183	-.69494
2.860	2.045	-.01890	-.09144	.19942	.03191	.00134	-.00167	-.00017	-.08425	.20256	-.41593
2.860	-1.028	-.01945	-.05910	.19861	.02620	.00055	-.00122	-.00030	-.05553	.19964	-.27816
2.860	.001	-.01849	-.02459	.19888	.01760	.00010	-.00067	-.00025	-.02460	.19888	-.12368
2.860	1.019	-.01899	.01419	.20040	.00640	.00123	-.00115	-.00012	.01053	.20062	.05298
2.860	2.038	-.01802	.04524	.20268	-.00073	.00039	-.00130	-.00036	.03800	.20416	.19612
2.860	4.082	-.01694	.11522	.20400	-.01489	-.00032	-.00199	-.00040	.10041	.21169	.47434
2.860	6.140	-.01742	.20167	.20452	-.03620	.00059	-.00244	-.00001	.17860	.22521	.79305
2.860	8.183	-.01637	.28838	.20200	-.06318	-.00061	-.00223	-.00009	.25659	.24155	1.06512
2.860	10.241	-.01579	.39620	.20070	-.09489	-.00093	-.00246	-.00013	.34437	.26617	1.29390
	GRADIENT	.00023	.03392	.00049	-.00765	-.00039	.00011	-.00003	.03032	.00009	.14478

UFWT 1088/1119 (IA-44) CONFIGURATION T4/S7 (RH8001) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 TANK = 1.000
SRB = 1.000

RUN NO. 9/ 9 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
3.900	-10.109	-.01967	-.36263	.15528	.10482	.00306	-.00105	-.00074	-.32799	.22637	-1.44891
3.900	-8.075	-.01984	-.28512	.16306	.08102	.00505	-.00256	-.00049	-.25939	.20149	-1.28738
3.900	-6.046	-.01928	-.21205	.16209	.05923	.00455	-.00271	-.00052	-.19379	.18353	-1.05595
3.900	-4.008	-.01952	-.14651	.16263	.04234	.00370	-.00227	-.00080	-.13480	.17247	-.78157
3.900	-1.984	-.01993	-.08538	.16361	.02852	.00280	-.00175	-.00088	-.07966	.16646	-.47857
3.900	-.970	-.01909	-.05774	.16204	.02281	.00166	-.00161	-.00097	-.05499	.16299	-.33738
3.900	.048	-.01957	-.02709	.16178	.01607	.00311	-.00222	-.00071	-.02723	.16176	-.16835
3.900	1.058	-.01980	.00317	.16306	.00592	.00157	-.00174	-.00081	.00017	.16309	.00102
3.900	2.077	-.01864	.03382	.16529	.00044	.00173	-.00201	-.00069	.02781	.16649	.16712
3.900	4.104	-.01904	.09717	.16647	-.01380	.00213	-.00199	-.00074	.08500	.17299	.49136
3.900	6.138	-.01910	.16609	.16550	-.03226	.00209	-.00201	-.00078	.14745	.19231	.80878
3.900	8.170	-.01894	.24073	.16478	-.05461	.00241	-.00257	-.00067	.21487	.19732	1.08894
3.900	10.201	-.01854	.31973	.16499	-.07941	.00111	-.00165	-.00047	.28546	.21892	1.30397
	GRADIENT	.00011	.02992	.00046	-.00597	-.00020	.00001	.00002	.02699	.00005	.15784

RUN NO. 9/ 9 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
4.600	-9.544	-.01977	-.33539	.15451	.09130	.00469	-.00189	-.00127	-.30512	.20798	-1.46707
4.600	-7.519	-.01954	-.26276	.15097	.07021	.00456	-.00200	-.00120	-.24076	.18404	-1.30819
4.600	-5.498	-.01909	-.19549	.14935	.05261	.00398	-.00195	-.00112	-.18031	.16736	-1.07734
4.600	-3.464	-.01984	-.13045	.14963	.03757	.00437	-.00201	-.00112	-.12117	.15724	-.77061
4.600	-1.443	-.01951	-.07905	.14675	.02702	.00307	-.00232	-.00141	-.07531	.14869	-.50648
4.600	-.433	-.01928	-.04939	.14629	.02115	.00323	-.00276	-.00118	-.04829	.14665	-.32920
4.600	.573	-.01866	-.02384	.14584	.01461	.00179	-.00238	-.00138	-.02529	.14560	-.17373
4.600	1.587	-.01907	.00567	.14713	.00776	.00361	-.00325	-.00123	.00159	.14723	.01082
4.600	2.601	-.01910	.03703	.14923	.00081	.00383	-.00330	-.00135	.03022	.15076	.20044
4.600	4.515	-.01990	.08754	.14891	-.00959	.00264	-.00270	-.00167	.07528	.15547	.48417
4.600	6.645	-.01909	.15459	.14774	-.02816	.00202	-.00195	-.00135	.13644	.16464	.82871
4.600	8.664	-.01955	.21793	.14565	-.04739	.00132	-.00195	-.00156	.19336	.17781	1.08744
4.600	10.698	-.01919	.29418	.14920	-.06957	.00284	-.00232	-.00139	.26137	.20121	1.29896
	GRADIENT	.00011	.02732	.00007	-.00500	-.00012	-.00012	-.00005	.02467	-.00005	.15954

UPWT 1088/1119 (IA-44) CONFIGURATION T4/S7 (RH8002) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

ALPHA = .000 TANK = 1.000
SRB = 1.000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
1.600	-10.229	.09911	-.03006	.29041	.02914	.19001	-.02500	-.00018	-.03056	.29035	-.10526
1.600	-8.204	.09419	-.03250	.28632	.02835	.14733	-.01956	-.00038	-.03297	.28626	-.11519
1.600	-6.162	.09284	-.03281	.28445	.02842	.11262	-.01489	-.00038	-.03327	.28440	-.11698
1.600	-4.125	.09001	-.03609	.28216	.03134	.07931	-.01503	-.00020	-.03734	.28210	-.13235
1.600	-2.044	.09388	-.03315	.28010	.03075	.04731	-.01147	-.00027	-.03360	.28005	-.11998
1.600	-.065	.09267	-.03369	.27729	.02969	.01114	-.00406	-.00030	-.03413	.27723	-.12311
1.600	1.972	.08789	-.03719	.27657	.03009	-.02386	.00184	-.00040	-.03761	.27651	-.13602
1.600	4.029	.09627	-.03874	.27790	.02998	-.05861	.00618	-.00043	-.03916	.27785	-.14094
1.600	6.083	.09063	-.04031	.28033	.02763	-.09105	.00864	-.00038	-.04071	.28028	-.14525
1.600	8.120	.08709	-.03646	.28337	.02575	-.12653	.01094	.00024	-.03689	.28332	-.13022
1.600	10.269	.08112	-.04088	.28478	.02587	-.17093	.01750	.00000	-.04129	.28472	-.14500
	GRADIENT	-.00052	-.00039	-.00059	-.00027	-.01706	.00274	-.00003	-.00037	-.00059	-.00163

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
2.000	-10.223	.59728	-.00559	.25514	.01717	.18950	-.02553	.00059	-.00825	.25506	-.03234
2.000	-8.219	.60107	-.00482	.25265	.01692	.14861	-.02056	.00053	-.00747	.25259	-.02956
2.000	-6.178	.57918	-.00230	.25087	.01554	.11311	-.01770	.00052	-.00484	.25083	-.01928
2.000	-4.145	.58926	-.00356	.24934	.01573	.07695	-.01292	.00026	-.00611	.24829	-.02462
2.000	-2.079	.58591	-.00187	.24703	.01552	.04323	-.00862	.00046	-.00440	.24700	-.01783
2.000	-.091	.57864	-.00514	.24386	.01610	.00572	-.00077	-.00003	-.00769	.24380	-.03118
2.000	1.994	.58457	-.00452	.24395	.01579	-.02946	.00569	-.00008	-.00701	.24389	-.02975
2.000	4.032	.58282	-.00402	.24648	.01456	-.06532	.01056	-.00029	-.00653	.24643	-.02650
2.000	6.087	.58505	-.00421	.24920	.01540	-.09996	.01401	-.00042	-.00675	.24915	-.02709
2.000	8.106	.58533	-.00436	.25088	.01582	-.13915	.01778	-.00057	-.00592	.25082	-.02759
2.000	10.212	.57405	-.00534	.25339	.01680	-.18092	.02345	-.00072	-.00798	.25332	-.03111
	GRADIENT	-.00064	-.00017	-.00033	-.00009	-.01749	.00299	-.00008	-.00017	-.00033	-.00071

UPWT 1099/1119 (IA-44) CONFIGURATION T4/ST (RH8002) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

ALPHA = .000 TANK = 1.000
SRS = 1.000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
2.860	-10.133	-.01397	-.03280	.20592	.02074	.18334	-.02557	-.00108	-.03275	.20593	-.15902
2.860	-8.118	-.01581	-.02976	.20419	.01954	.14155	-.01823	-.00088	-.02971	.20411	-.14554
2.860	-6.100	-.02041	-.02899	.20343	.01927	.10381	-.01360	-.00075	-.02892	.20344	-.14214
2.860	-4.052	-.01338	-.02716	.20106	.01853	.06866	-.01016	-.00062	-.02711	.20106	-.13483
2.860	-2.010	-.01445	-.02871	.19891	.01978	.03355	-.00520	-.00052	-.02866	.19892	-.14408
2.860	-.018	-.01287	-.02683	.19764	.01816	-.00119	-.00009	-.00031	-.02678	.19765	-.13551
2.860	2.014	-.01556	-.02950	.19692	.01892	-.03396	.00394	-.00026	-.02945	.19693	-.14954
2.860	4.046	-.01347	-.02768	.19905	.01828	-.06904	.00855	-.00011	-.02763	.19906	-.13880
2.860	6.096	-.01108	-.02802	.20247	.01882	-.10607	.01383	-.00012	-.02798	.20247	-.13820
2.860	8.126	-.01059	-.03047	.20465	.02051	-.14366	.01932	-.00003	-.03043	.20465	-.14871
2.860	10.241	-.01076	-.03076	.20523	.02058	-.18717	.02749	.00013	-.03072	.20523	-.14969
	GRADIENT	-.00006	-.00009	-.00030	-.00002	-.01695	.00230	.00005	-.00009	-.00030	-.00067

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
3.900	-10.092	.03912	-.02945	.16954	.01462	.17223	-.02475	-.00148	-.02957	.16952	-.17443
3.900	-8.107	.04008	-.03005	.16702	.01585	.13456	-.01695	-.00121	-.03014	.16700	-.18049
3.900	-6.080	.03858	-.03070	.16554	.01677	.09903	-.01090	-.00103	-.03082	.16551	-.18618
3.900	-4.040	.03847	-.03147	.16379	.01737	.06578	-.00701	-.00115	-.03158	.16377	-.19283
3.900	-2.006	.04077	-.03218	.16303	.01820	.03428	-.00405	-.00106	-.03230	.16301	-.19814
3.900	-.019	.04055	-.03147	.16295	.01803	.00142	-.00154	-.00099	-.03158	.16199	-.19497
3.900	2.005	.04031	-.02940	.16033	.01648	-.03092	.00189	-.00077	-.02951	.16031	-.18409
3.900	4.031	.04095	-.03013	.16307	.01734	-.06325	.00531	-.00075	-.03025	.16305	-.18550
3.900	6.073	.04373	-.03397	.16517	.01845	-.09645	.00904	-.00101	-.03409	.16514	-.20644
3.900	8.113	.04294	-.03480	.16603	.01803	-.13247	.01553	-.00092	-.03493	.16600	-.21942
3.900	10.199	.03925	-.03259	.16743	.01627	-.17143	.02310	-.00057	-.03280	.16741	-.19595
	GRADIENT	.00022	.00027	-.00020	-.00009	-.01604	.00152	.00005	.00027	-.00020	.00142

UPWT 1088/1119 (IA-44) CONFIGURATION T4/57 (R48002) (03 JAN 75)

REFERENCE DATA

SREF = 2699.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

ALPHA = .000 TANK = 1.000
SRB = 1.000

RUN NO. 9/ 9 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
4.600	-10.087	.57908	-.02539	.15271	.01380	.16653	-.02288	-.00126	-.02690	.15244	-.17648
4.600	-8.070	.57166	-.02649	.15041	.01473	.13055	-.01494	-.00115	-.02799	.15014	-.18645
4.600	-6.066	.56890	-.02763	.14925	.01589	.09529	-.00908	-.00116	-.02911	.14898	-.19541
4.600	-4.031	.56912	-.02512	.14702	.01499	.06453	-.00599	-.00119	-.02658	.14677	-.19111
4.600	-1.982	.55687	-.02818	.14594	.01694	.03373	-.00433	-.00142	-.02962	.14555	-.20353
4.600	-.020	.56686	-.02571	.14480	.01550	.00454	-.00298	-.00129	-.02714	.14454	-.19775
4.600	1.992	.57991	-.02312	.14368	.01452	-.02728	.00018	-.00105	-.02457	.14343	-.17132
4.600	4.041	.57957	-.02821	.14534	.01681	-.05805	.00235	-.00164	-.02969	.14504	-.20465
4.600	6.058	.58100	-.02760	.14721	.01663	-.09028	.00585	-.00183	-.02909	.14693	-.19799
4.600	8.054	.57297	-.02710	.14810	.01572	-.12409	.01343	-.00183	-.02859	.14782	-.19336
4.600	9.946	.57278	-.02660	.14942	.01484	-.15775	.02039	-.00190	-.02809	.14815	-.18958
	GRADIENT	.00169	-.00006	-.00027	.00005	-.01523	.00105	-.00003	-.00006	-.00028	-.00077

ORIGINAL PAGE IS
OF POOR QUALITY

UPWT 1099/1119 (IA-44) CONFIGURATION 02/T4/S7 (948003) (01 MAY 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 490.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPOBRK = .000 BDFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
1.600	-10.629	-.06413	-.78137	.46130	.30659	.00997	-.00540	.00057	-.68288	.39751	-1.14289
1.600	-8.544	-.06625	-.61501	.43909	.23685	.01233	-.00626	.00135	-.53997	.54537	-.99011
1.600	-6.431	-.06478	-.45708	.45195	.17369	.01061	-.00556	.00123	-.40360	.50020	-.80687
1.600	-4.629	-.06582	-.33268	.44669	.12809	.01130	-.00544	.00123	-.29554	.47208	-.62604
1.600	-2.232	-.06446	-.18126	.44584	.07095	.01007	-.00521	.00132	-.16376	.45256	-.36185
1.600	-1.180	-.06497	-.11763	.44448	.04810	.01057	-.00534	.00115	-.10845	.44681	-.24272
1.600	-.119	-.06592	-.04540	.44374	.02230	.01211	-.00631	.00162	-.04448	.44383	-.10023
1.600	.931	-.06599	.02005	.44359	-.00216	.01279	-.00713	.00183	.01284	.44396	.02892
1.600	1.977	-.06568	.07517	.44148	-.02308	.01294	-.00759	.00169	.06089	.44394	.13718
1.600	4.075	-.06663	.19984	.43544	-.07450	.01461	-.00846	.00208	.16732	.44946	.37227
1.600	6.165	-.06577	.31280	.43501	-.11324	.01334	-.00756	.00222	.26428	.46509	.56801
1.600	8.269	-.06541	.43592	.43480	-.16194	.01426	-.00805	.00233	.36886	.49298	.74823
1.600	10.454	-.06631	.55378	.43299	-.20276	.01339	-.00713	.00238	.47586	.52810	.90107
	GRADIENT	-.00014	.06131	-.00110	-.02314	.00046	-.00049	.00011	.05344	-.00251	.11604

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
2.000	-10.029	-.07403	-.70121	.41689	.27614	.02144	-.00955	.00169	-.61790	.53263	-1.16008
2.000	-7.935	-.06986	-.54436	.40864	.21292	.01653	-.00765	.00186	-.48273	.47987	-1.00596
2.000	-5.842	-.06954	-.40035	.40223	.15624	.01616	-.00762	.00195	-.35733	.44089	-.81048
2.000	-4.061	-.06743	-.29346	.39818	.11724	.01303	-.00594	.00167	-.26453	.41797	-.63299
2.000	-1.670	-.06533	-.16428	.39461	.07375	.01171	-.00551	.00149	-.15271	.39923	-.38252
2.000	-.619	-.06567	-.10925	.39210	.05497	.01117	-.00552	.00120	-.10500	.39325	-.26701
2.000	.426	-.06540	-.05105	.39049	.03535	.01096	-.00556	.00107	-.05395	.39010	-.13831
2.000	1.469	-.06494	.00273	.38980	.01579	.01042	-.00539	.00107	-.00726	.38974	-.01862
2.000	2.518	-.06517	.06282	.38907	-.00681	.01208	-.00619	.00151	.04571	.39045	.11707
2.000	4.631	-.06364	.17544	.38717	-.05505	.00953	-.00497	.00091	.14382	.39999	.35955
2.000	6.692	-.06200	.29997	.38702	-.10608	.00669	-.00332	.00098	.25283	.41934	.60291
2.000	8.798	-.06102	.42605	.38539	-.15077	.00467	-.00210	.00075	.36209	.44601	.81194
2.000	10.986	-.05931	.54993	.39225	-.19719	.00208	-.00065	.00003	.46593	.47984	.97101
	GRADIENT	.00040	.05412	-.00132	-.01969	-.00031	.00007	-.00007	.04716	-.00214	.11554

UPWT 1088/1119 (TA-44) CONFIGURATION 02/T4/S7 (RH8003) (01 MAY 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPOBRK = .000 SPOFLAP = .000

RUN NO. 9/ 0 RNYL = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
2.500	-10.908	.00609	-.67013	.37781	.26414	-.00724	.00233	-.00144	-.58653	.49779	-1.17826
2.500	-8.832	.00504	-.54479	.36726	.21320	-.00609	.00187	-.00119	-.48194	.44656	-1.07922
2.500	-6.741	.00306	-.41806	.35925	.16150	-.00399	.00123	-.00025	-.37300	.40584	-.91909
2.500	-4.630	.00194	-.30265	.35478	.11875	-.00284	.00087	-.00001	-.27302	.37805	-.72218
2.500	-2.544	.00230	-.20073	.35209	.08682	-.00330	.00095	-.00030	-.18491	.36065	-.51279
2.500	-1.510	.00094	-.15321	.35085	.07467	-.00092	-.00052	-.00005	-.14391	.35477	-.40564
2.500	-.478	-.00084	-.10137	.34978	.06088	.00203	-.00198	.00061	-.09845	.35051	-.28078
2.500	.552	-.00320	-.05973	.34816	.05077	.00551	-.00362	.00091	-.05508	.34757	-.18149
2.500	1.559	-.00246	-.01698	.34501	.03760	.00487	-.00347	.00067	-.02635	.34442	-.07654
2.500	3.657	-.00317	.07659	.33962	.00472	.00629	-.00436	.00039	.05486	.34382	.15955
2.500	5.705	-.00411	.18334	.33695	-.03727	.00799	-.00538	.00054	.14953	.35357	.42293
2.500	7.809	-.00659	.30165	.33599	-.08457	.01069	-.00642	.00091	.25329	.37386	.67726
2.500	9.895	-.00723	.41909	.33132	-.12992	.01121	-.00579	.00075	.35592	.39841	.89336
	GRADIENT	-.00078	.04557	-.00179	-.01333	.00136	-.00076	.00010	.03939	-.00407	.10649

RUN NO. 9/ 0 RNYL = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
2.860	-10.620	.00384	-.62672	.35830	.24612	-.00547	.00206	-.00146	-.54995	.46766	-1.17599
2.860	-8.558	.00296	-.51630	.35010	.20446	-.00298	-.00003	.00015	-.45845	.42303	-1.08373
2.860	-6.452	.00150	-.40522	.34075	.16579	-.00174	-.00038	.00020	-.36437	.38413	-.94856
2.860	-4.409	.00134	-.29910	.33090	.13007	-.00185	.00012	-.00025	-.27277	.35292	-.77291
2.860	-2.315	-.00084	-.19587	.32324	.09598	.00045	-.00035	.00001	-.18266	.33089	-.55202
2.860	-1.263	-.00120	-.14914	.32046	.08171	.00111	-.00062	.00002	-.14204	.32367	-.43884
2.860	-.263	-.00199	-.10914	.31828	.07044	.00280	-.00163	.00005	-.10668	.31977	-.33465
2.860	.790	-.00234	-.06497	.31509	.05597	.00413	-.00265	.00033	-.06921	.31416	-.22031
2.860	1.797	-.00465	-.01593	.31349	.03952	.00758	-.00408	.00119	-.02576	.31283	-.08233
2.860	3.895	-.00601	.07334	.30862	.00552	.01011	-.00549	.00134	.05229	.31289	.16584
2.860	5.929	-.00703	.16711	.30411	-.02953	.01159	-.00609	.00125	.13489	.31974	.42160
2.860	8.017	-.00905	.28953	.30136	-.07467	.01483	-.00800	.00205	.23576	.33754	.69847
2.860	10.091	-.00842	.38751	.29705	-.11537	.01391	-.00794	.00145	.32953	.36030	.91469
	GRADIENT	-.00089	.04446	-.00262	-.01453	.00150	-.00073	.00021	.03978	-.00473	.11303

UPWT 1098/1119 (IA-44) CONFIGURATION 02/T4/S7 (RH8003) (01 MAY 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 409.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
3.900	-10.516	-.01503	-.50020	.30912	.19123	-.00744	.00294	-.00006	-.43538	.39521	-1.10164
3.900	-8.471	-.01640	-.42226	.29963	.16690	-.00509	.00193	-.00034	-.37351	.35957	-1.04157
3.900	-6.439	-.01643	-.35345	.28636	.14838	-.00504	.00173	-.00111	-.31915	.32414	-.98461
3.900	-4.398	-.01776	-.26998	.27563	.12192	-.00312	.00121	-.00090	-.24819	.29547	-.83966
3.900	-2.356	-.01977	-.18965	.26827	.09647	-.00015	.00008	-.00027	-.17846	.27584	-.64697
3.900	-1.328	-.01958	-.15359	.26471	.08523	.00092	.00012	-.00051	-.14741	.26820	-.54965
3.900	-.304	-.01992	-.11423	.26154	.07317	.00086	-.00021	-.00051	-.11284	.26215	-.43044
3.900	.724	-.02081	-.07495	.25875	.06148	.00304	-.00133	-.00011	-.07811	.25778	-.30301
3.900	1.726	-.02056	-.04187	.25601	.05208	.00294	-.00139	-.00049	-.04956	.25464	-.19451
3.900	3.772	-.02114	.03487	.25133	.02594	.00390	-.00162	-.00032	.01826	.25309	.07214
3.900	5.811	-.02234	.11302	.24652	-.00077	.00623	-.00257	-.00027	.08748	.25670	.34079
3.900	7.851	-.02412	.20571	.24226	-.03591	.00959	-.00324	.00042	.17163	.26825	.63991
3.900	9.905	-.02363	.28937	.23738	-.06492	.00641	-.00181	-.00021	.24324	.28344	.85818
	GRADIENT	-.00038	.03719	-.00298	-.01151	.00086	-.00037	.00005	.03249	-.00519	.11197

RUN NO. 0/ 0 RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
4.600	-9.891	-.01619	-.47459	.29770	.18022	-.00712	.00286	-.00092	-.41640	.37480	-1.11099
4.600	-7.856	-.01659	-.39861	.28415	.15977	-.00652	.00291	-.00090	-.35603	.33597	-1.05972
4.600	-5.827	-.01874	-.31857	.27236	.13527	-.00181	.00097	-.00008	-.28927	.30329	-.95377
4.600	-3.794	-.01903	-.24854	.25957	.11380	-.00126	.00066	-.00047	-.23082	.27544	-.83800
4.600	-1.763	-.01985	-.17626	.24895	.09226	.00048	-.00008	-.00047	-.16852	.25425	-.66279
4.600	-.745	-.01988	-.14228	.24364	.08213	.00089	-.00029	-.00073	-.13910	.24547	-.56666
4.600	.261	-.02128	-.09789	.24135	.06795	.00481	-.00212	.00054	-.09897	.24091	-.41093
4.600	1.276	-.02067	-.05982	.23595	.04162	.00295	-.00086	-.00055	-.07506	.23433	-.32029
4.600	2.305	-.02154	-.02564	.23421	.04658	.00571	-.00226	.00025	-.03504	.23299	-.15037
4.600	4.330	-.02186	.04228	.22951	.02525	.00738	-.00351	.00027	.02495	.23055	.10820
4.600	6.352	-.02232	.11625	.22166	-.00004	.00794	-.00327	.00051	.09102	.23316	.39037
4.600	8.381	-.02310	.19409	.21544	-.02853	.00955	-.00310	.00033	.16061	.24143	.66523
4.600	10.419	-.02323	.27775	.21087	-.06033	.00795	-.00271	.00023	.23504	.25762	.91236
	GRADIENT	-.00036	.03603	-.00383	-.01093	.00110	-.00051	.00011	.03175	-.00547	.11854

UPWT 1089/1119 (IA-44) CONFIGURATION 02/T4/S7 (RH8504) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

ALPHA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = .000

RUN NO. 9/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
1.600	-10.486	-.14741	-.05001	.45271	.01040	.51029	-.22365	.06920	-.04984	.45284	-.10786
1.600	-8.373	-.14330	-.04667	.45303	.01330	.39719	-.17377	.05549	-.04554	.45314	-.10050
1.600	-6.315	-.14298	-.04959	.45016	.01539	.28157	-.12902	.04158	-.04947	.45028	-.10764
1.600	-4.237	-.13478	-.04778	.44725	.01846	.19544	-.08720	.02809	-.04572	.44736	-.10444
1.600	-2.105	-.13648	-.05250	.44413	.02332	.10275	-.04655	.01417	-.05144	.44425	-.11580
1.600	-.066	-.13709	-.05134	.44161	.02242	.01207	-.00653	.00190	-.05028	.44173	-.11382
1.600	2.034	-.13296	-.05035	.44060	.02007	-.08148	.03609	-.01075	-.04933	.44071	-.11193
1.600	4.113	-.12576	-.04670	.44494	.01718	-.17192	.07549	-.02378	-.04573	.44505	-.10274
1.600	6.212	-.13397	-.05109	.44835	.01848	-.26587	.11735	-.03725	-.05000	.44847	-.11149
1.600	8.320	-.14239	-.05605	.44939	.02153	-.35911	.15978	-.05179	-.05893	.44954	-.13110
1.600	10.479	-.15795	-.06636	.45111	.02294	-.47850	.20455	-.06563	-.06512	.45125	-.14430
	GRADIENT	.00103	.00020	-.00039	-.00028	-.04419	.01958	-.00616	.00013	-.00039	.00034

RUN NO. 9/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
2.000	-10.455	.42350	-.03905	.39878	.01954	.48403	-.21615	.05949	-.04200	.39848	-.10539
2.000	-8.352	.41939	-.04158	.39974	.02263	.38067	-.16986	.04781	-.04450	.39942	-.11142
2.000	-6.283	.42294	-.04322	.39870	.02624	.28146	-.12703	.03621	-.04616	.39837	-.11588
2.000	-4.229	.42588	-.04666	.39707	.03060	.19101	-.08635	.02477	-.04961	.39671	-.12505
2.000	-2.105	.42198	-.05460	.39210	.03554	.10206	-.04625	.01302	-.05749	.39169	-.14677
2.000	-.069	.41601	-.06076	.38852	.03769	.01375	-.00591	.00162	-.06359	.38806	-.16383
2.000	2.028	.41916	-.05747	.39120	.03533	-.07675	.03529	-.00928	-.06033	.39076	-.15440
2.000	4.105	.41931	-.05257	.39480	.03007	-.16962	.07759	-.02136	-.05556	.39441	-.14095
2.000	6.198	.41394	-.05710	.39426	.02978	-.25455	.11387	-.03208	-.05995	.39384	-.15221
2.000	8.299	.41024	-.06185	.39532	.03142	-.35109	.15419	-.04411	-.06468	.39497	-.16380
	GRADIENT	-.00076	-.00072	-.00025	-.00005	-.04317	.01958	-.00551	-.00071	-.00027	-.00189

ORIGINAL PAGE IS
OF POOR QUALITY

UFWT 1099/1119 (IA-44) CONFIGURATION 02/T4/S7 (RH9004) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

ALPHA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
2.860	-10.308	-.24463	-.10725	.33173	.06048	.43097	-.18325	.04629	-.10583	.33219	-.31859
2.860	-8.260	-.24542	-.10383	.32721	.06185	.33785	-.14404	.03650	-.10243	.32764	-.31262
2.860	-6.213	-.24650	-.10109	.32454	.06208	.25018	-.10537	.02709	-.09969	.32497	-.30678
2.860	-4.093	-.25205	-.10302	.32023	.06540	.16100	-.06835	.01693	-.10161	.32068	-.31685
2.860	-2.039	-.25595	-.10444	.31809	.06662	.07841	-.03364	.00741	-.10302	.31855	-.32340
2.860	-.020	-.25156	-.10213	.31636	.06676	.00144	-.00080	.00006	-.10074	.31681	-.31798
2.860	1.999	-.25557	-.10411	.31555	.06674	-.07209	.03019	-.00748	-.10270	.31601	-.32498
2.860	4.098	-.24314	-.09767	.31717	.06159	-.15205	.06304	-.01569	-.09632	.31758	-.30331
2.860	6.196	-.24263	-.09594	.31917	.05983	-.23552	.09860	-.02499	-.09459	.31957	-.29598
2.860	8.218	-.23440	-.09027	.32128	.05754	-.32262	.13715	-.03515	-.08895	.32165	-.27655
2.860	10.447	-.23563	-.09111	.32450	.05786	-.42331	.17991	-.04653	-.08978	.32497	-.27627
	GRADIENT	.00090	.00054	-.00042	-.00037	-.03803	.01599	-.00392	.00054	-.00043	.00126

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
3.900	-4.096	-.31382	-.11632	.26417	.07255	.13867	-.05338	.01289	-.11487	.26480	-.43379
3.900	-2.043	-.31220	-.11206	.26286	.07148	.06864	-.02628	.00618	-.11062	.26346	-.41989
3.900	-.022	-.31382	-.11586	.26181	.07494	.00499	-.00185	.00028	-.11443	.26244	-.43600
3.900	1.993	-.31659	-.11513	.26051	.07383	-.06323	.02450	-.00660	-.11369	.26114	-.43537
3.900	4.055	-.30722	-.10337	.26383	.06939	-.13241	.05104	-.01318	-.10195	.26438	-.38561
3.900	6.125	-.31041	-.10933	.26543	.06994	-.20280	.07891	-.02147	-.10789	.26602	-.40556
3.900	8.166	-.30466	-.10047	.27032	.06620	-.27814	.11001	-.02992	-.09903	.27085	-.36562
	GRADIENT	.00044	.00113	-.00015	-.00030	-.03313	.01276	-.00319	.00113	-.00015	.00400

RUN NO. 0/ 0 RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
4.600	-4.058	.25399	-.09596	.24338	.06460	.13279	-.05027	.01224	-.09708	.24293	-.39951
4.600	-2.015	.26323	-.09207	.24085	.06235	.06754	-.02566	.00610	-.09317	.24042	-.38754
4.600	-.003	.26005	-.09909	.23997	.06739	.00658	-.00283	.00059	-.09917	.23943	-.41421
4.600	1.992	.25791	-.09579	.23983	.06596	-.05624	.02070	-.00503	-.09786	.23939	-.40880
4.600	4.045	.26062	-.09098	.24313	.06403	-.12213	.04487	-.01225	-.09199	.24272	-.37900
4.600	6.096	.25124	-.08938	.24591	.05333	-.19009	.07100	-.02013	-.09050	.24550	-.35714
4.600	8.108	.25279	-.08594	.24964	.06061	-.26054	.09870	-.02792	-.08698	.24924	-.34899
	GRADIENT	-.00060	.00027	-.00007	.00012	-.03135	.01171	-.00302	.00027	-.00007	.00100

UFWT 1088/1119 (TA-44) CONFIGURATION 02/T4/S7 (RN8003) (06 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPDBRK = .000 BOFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
1.600	-10.665	4.12937	-.80556	.46114	.31553	-.18564	.07786	-.01669	-.79630	.60225	-1.17276
1.600	-8.566	4.12417	-.63328	.46288	.24306	-.17762	.07305	-.01875	-.55727	.55204	-1.00948
1.600	-6.458	4.11963	-.47293	.45709	.18103	-.17300	.07161	-.02013	-.41852	.50738	-.82487
1.600	-4.674	4.11741	-.35159	.45174	.13348	-.17158	.07178	-.02077	-.31361	.47889	-.65488
1.600	-2.249	4.11254	-.18390	.44909	.06879	-.16797	.07162	-.02182	-.16613	.45596	-.36435
1.600	-1.193	4.11178	-.11748	.44758	.04355	-.16800	.07237	-.02235	-.10821	.44991	-.24052
1.600	-.131	4.11361	-.04676	.44553	.01712	-.17109	.07432	-.02361	-.04574	.44564	-.10264
1.600	.914	4.10977	.01828	.44405	-.00721	-.16816	.07423	-.02388	.00919	.44425	.02069
1.600	1.972	4.11152	.08492	.44496	-.03371	-.16951	.07515	-.02407	.05946	.44752	.13521
1.600	4.069	4.11195	.20483	.44155	-.08062	-.17013	.07529	-.02528	.17299	.45497	.38022
1.600	6.149	4.10887	.32152	.43649	-.12663	-.16530	.07205	-.02557	.27291	.46941	.58264
1.600	8.258	4.11930	.44257	.43234	-.17042	-.16341	.06838	-.02618	.37589	.49142	.76489
1.600	10.448	4.11264	.56997	.42960	-.20935	-.16409	.06689	-.02636	.48257	.52604	.91736
	GRADIENT	-.00058	.05372	-.00116	-.02446	.00075	.00050	-.00053	.05576	-.00269	.11957

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
2.000	-10.030	4.11997	-.71009	.41728	.28326	-.17982	.07790	-.01584	-.62656	.53457	-1.17207
2.000	-7.955	4.11712	-.56259	.41060	.22004	-.17485	.07456	-.01709	-.50036	.48451	-1.03279
2.000	-5.856	4.11149	-.41779	.40462	.16043	-.16711	.07044	-.01818	-.37433	.44513	-.84094
2.000	-4.085	4.10990	-.30869	.39996	.12239	-.16597	.07042	-.01986	-.27941	.42093	-.66380
2.000	-1.677	4.10605	-.17074	.39671	.07270	-.16658	.07444	-.02095	-.15905	.40154	-.39611
2.000	-.624	4.10702	-.11048	.39645	.05109	-.16977	.07718	-.02193	-.10516	.39763	-.26697
2.000	.418	4.10631	-.05362	.39499	.03065	-.17018	.07825	-.02154	-.05650	.39449	-.14322
2.000	1.462	4.10500	.00335	.39359	.01013	-.17035	.07871	-.02150	-.00669	.39346	-.01700
2.000	2.507	4.10378	.06118	.39204	-.01171	-.16565	.07726	-.02060	.04397	.39434	.11151
2.000	4.601	4.10345	.17931	.39987	-.06027	-.16448	.07490	-.02013	.14746	.40308	.36591
2.000	6.691	4.10247	.29588	.38809	-.10701	-.16308	.07377	-.02186	.24865	.41992	.59212
2.000	8.792	4.10164	.41929	.38239	-.15095	-.16126	.07213	-.02301	.35493	.44183	.80332
2.000	10.976	4.10410	.54698	.37595	-.19243	-.16110	.06956	-.02320	.46529	.47320	.98329
	GRADIENT	-.00070	.05599	-.00116	-.02090	.00010	.00057	-.00003	.04857	-.00297	.11905

UPWT 1098/1119 (IA-44) CONFIGURATION 02/T4/S7 (RH8005) (06 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
2.860	-10.614	4.12421	-.62813	.35619	.24492	-.19164	.08130	-.01928	-.55177	.46579	-1.18459
2.860	-8.540	4.11995	-.51877	.34871	.20283	-.18592	.07910	-.01764	-.46123	.42188	-1.09329
2.860	-6.467	4.11493	-.40577	.34018	.16221	-.17749	.07466	-.01632	-.36487	.38372	-.95087
2.860	-4.402	4.12764	-.29688	.33050	.12608	-.16900	.07021	-.01563	-.27064	.35232	-.76816
2.860	-2.317	4.12125	-.19425	.32119	.09231	-.15914	.06547	-.01547	-.18110	.32878	-.55082
2.860	-1.281	4.11867	-.14566	.31804	.07662	-.15400	.06353	-.01554	-.13952	.32123	-.43431
2.860	-.242	4.11829	-.09492	.31549	.06030	-.15301	.06291	-.01522	-.09358	.31589	-.29626
2.860	.794	4.11666	-.04945	.31221	.04610	-.14995	.06120	-.01519	-.05377	.31150	-.17263
2.860	1.809	4.11618	-.01135	.30943	.03405	-.14853	.06026	-.01581	-.02112	.30891	-.06836
2.860	3.891	4.11130	.08459	.30670	-.00223	-.14119	.05695	-.01532	.06364	.31172	.20416
2.860	5.944	4.10729	.18253	.30328	-.03956	-.13354	.05240	-.01569	.15024	.32056	.46868
2.860	8.009	4.10485	.28448	.29860	-.07920	-.13090	.05161	-.01683	.24019	.33532	.71605
2.860	10.092	4.10195	.40547	.29428	-.12744	-.12753	.05047	-.01712	.34762	.36077	.96355
	GRADIENT	-.00179	.04577	-.00267	-.01519	.00300	-.00151	.00002	.04011	-.00488	.11771

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
3.900	-10.524	4.08045	-.50003	.31500	.19196	-.16814	.07061	-.01472	-.43408	.40103	-1.08242
3.900	-8.481	4.07848	-.42357	.30443	.16920	-.16443	.06889	-.01452	-.37404	.36357	-1.02881
3.900	-5.428	4.07573	-.35031	.29082	.14844	-.15891	.06616	-.01448	-.31555	.32821	-.96143
3.900	-4.390	4.07136	-.25949	.28026	.11694	-.14895	.06057	-.01309	-.23727	.29930	-.79276
3.900	-2.352	4.06928	-.18775	.26985	.09497	-.14168	.05631	-.01360	-.17652	.27732	-.63659
3.900	-1.319	4.06595	-.14242	.26703	.08060	-.13589	.05302	-.01323	-.13624	.27024	-.50415
3.900	-.310	4.06509	-.10657	.26349	.06979	-.13329	.05136	-.01377	-.10515	.26406	-.39819
3.900	.718	4.06361	-.06909	.25969	.05924	-.12928	.04997	-.01391	-.07234	.25880	-.27950
3.900	1.741	4.06226	-.03177	.25629	.04625	-.12532	.04644	-.01427	-.03954	.25521	-.15493
3.900	3.779	4.05999	.04747	.25116	.01795	-.11811	.04135	-.01427	.03081	.25374	.12143
3.900	5.819	4.05825	.12659	.24699	-.01071	-.11187	.03663	-.01442	.10091	.25846	.39043
3.900	7.859	4.05633	.21230	.24292	-.04120	-.10772	.03411	-.01488	.17719	.26967	.65672
3.900	9.916	4.05447	.30141	.23894	-.07293	-.10533	.03351	-.01514	.25578	.28719	.89066
	GRADIENT	-.00149	.03760	-.00352	-.01202	.00379	-.00235	-.00016	.03287	-.00555	.11293

UPWT 1068/1119 (IA-44) CONFIGURATION 02/T4/57 (RH8005) (06 JAN 75)

REFERENCE DATA

SREF = 2699.0000 SQ.FT. XMRF = 976.0000 IN. XT
LREF = 1299.3000 INCHES YMRF = .0000 IN. YT
BREF = 1299.3000 INCHES ZMRF = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = .000

RUN NO. 0/ 0 RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D	
4.600	-9.892	4.05693	-.46320	.30298	.17570	-.15706	.06477	-.01292	-.40426	.37805	-1.06935	
4.600	-7.849	4.05450	-.38762	.29043	.15545	-.14962	.06024	-.01183	-.34432	.34064	-1.01080	
4.600	-5.822	4.05196	-.31217	.27675	.13251	-.14251	.05642	-.01161	-.28248	.30699	-.92017	
4.600	-3.795	4.05030	-.24475	.26268	.11135	-.13754	.05329	-.01234	-.22682	.27839	-.81502	
4.600	-1.753	4.04701	-.16655	.25142	.08753	-.12870	.04884	-.01179	-.15878	.25639	-.61928	
4.600	-.748	4.04613	-.12890	.24713	.07528	-.12602	.04746	-.01225	-.12567	.24879	-.50511	
4.600	.278	4.04385	-.08461	.24419	.06195	-.11897	.04376	-.01132	-.08580	.24378	-.35194	
4.600	1.328	4.04325	-.05101	.23928	.05223	-.11579	.04126	-.01252	-.05654	.23803	-.23755	
4.600	2.307	4.04175	-.01334	.23605	.03981	-.11006	.03762	-.01238	-.02293	.23533	-.09701	
4.600	4.329	4.03995	.05598	.22855	.01692	-.10317	.03297	-.01283	.03857	.23213	.16615	
4.600	6.359	4.03807	.12746	.22239	-.00667	-.09684	.02914	-.01255	.10205	.23514	.43398	
4.600	8.400	4.03587	.20992	.21733	-.03532	-.09211	.02707	-.01317	.17492	.24552	.71247	
4.600	10.426	4.03483	.28459	.21121	-.05324	-.09041	.02640	-.01366	.24167	.25922	.93229	
	GRADIENT		-.00128	.03719	-.00419	-.01165	.00433	-.00257	-.00008	.03286	-.00557	.12264

UPWT 1088/1119 (IA-44) CONFIGURATION 02/T4/57 (RH8006) (06 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
1.600	-10.661	-4.24072	-.81284	.46992	.32131	.22314	-.09802	.02057	-.71206	.61121	-1.16500
1.600	-8.585	-4.22847	-.63340	.46897	.24801	.20388	-.08657	.02179	-.56124	.55902	-1.00397
1.600	-6.455	-4.22306	-.47253	.46384	.18239	.19675	-.08314	.02309	-.41739	.51402	-.81202
1.600	-4.661	-4.22158	-.34397	.45872	.13272	.19459	-.08203	.02439	-.30556	.48515	-.62982
1.600	-2.239	-4.21586	-.19429	.45335	.07039	.18963	-.08137	.02555	-.16644	.46020	-.36166
1.600	-1.188	-4.21474	-.11338	.45115	.04305	.18955	-.08242	.02625	-.10400	.45341	-.22937
1.600	-.133	-4.21340	-.04736	.44956	.01925	.18950	-.08360	.02727	-.04632	.44977	-.10298
1.600	.924	-4.21251	.01839	.44879	-.00539	.18936	-.08413	.02791	.01116	.44903	.02485
1.600	1.974	-4.21151	.08910	.45002	-.03311	.19143	-.08652	.02917	.07355	.45283	.16242
1.600	4.068	-4.20947	.20773	.44496	-.07993	.18979	-.08664	.03000	.17564	.45858	.38302
1.600	6.163	-4.21193	.32292	.44171	-.12484	.18984	-.08485	.03089	.27364	.47383	.57750
1.600	8.264	-4.21145	.44243	.43897	-.16766	.18565	-.08065	.03094	.37474	.49800	.75249
1.600	10.451	-4.21716	.57681	.43670	-.20931	.19019	-.08118	.03154	.48803	.53409	.91376
	GRADIENT	.00132	.06352	-.00142	-.02435	-.00037	-.00065	.00069	.05548	-.00285	.11775

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
2.000	-10.027	-4.21893	-.70248	.42162	.28268	.22209	-.09738	.02063	-.61835	.53749	-1.15043
2.000	-7.943	-4.21128	-.55176	.41505	.22070	.21190	-.09226	.02110	-.48911	.48731	-1.00369
2.000	-5.845	-4.20521	-.41224	.40821	.16558	.20220	-.08659	.02214	-.36853	.44807	-.82248
2.000	-4.056	-4.19960	-.29946	.40322	.12252	.19413	-.08320	.02326	-.27019	.42339	-.63815
2.000	-1.671	-4.19352	-.16072	.39947	.07221	.19250	-.08591	.02455	-.14900	.40398	-.36883
2.000	-.621	-4.19365	-.10169	.39807	.05091	.19398	-.08758	.02468	-.09737	.39915	-.24395
2.000	.426	-4.19120	-.04561	.39727	.03092	.19193	-.08740	.02459	-.04857	.39692	-.12236
2.000	1.472	-4.19096	.01117	.39544	.00932	.19311	-.08905	.02484	.00100	.39559	.00253
2.000	2.519	-4.18798	.07246	.39275	-.01405	.19255	-.09018	.02512	.05512	.39555	.13936
2.000	4.605	-4.19513	.18335	.39015	-.05971	.18776	-.08647	.02419	.15143	.40361	.37520
2.000	6.704	-4.19557	.30985	.38915	-.11006	.19605	-.08520	.02742	.26131	.42254	.61842
2.000	8.801	-4.19295	.42916	.38483	-.15243	.17906	-.07975	.02754	.36522	.44597	.81895
2.000	10.991	-4.18421	.55867	.38252	-.19456	.17761	-.07721	.02698	.47549	.48201	.98647
	GRADIENT	.00142	.05567	-.00151	-.02090	-.00059	-.00052	.00012	.04863	-.00227	.11779

UPWT 1088/1119 (IA-44) CONFIGURATION 02/T4/S7 (RH8006) (06 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
2.860	-10.617	-4.13564	-.63736	.35364	.24945	.17142	-.07510	.01804	-.56129	.46501	-1.20705
2.860	-8.545	-4.13473	-.53194	.34752	.21031	.17023	-.07485	.01636	-.47439	.42270	-1.12229
2.860	-6.467	-4.13478	-.41724	.33931	.16983	.16873	-.07329	.01571	-.37637	.38414	-.97976
2.860	-4.386	-4.13296	-.30308	.33083	.12986	.16427	-.07013	.01539	-.27689	.35304	-.78431
2.860	-2.317	-4.12925	-.19805	.32274	.09448	.15785	-.06579	.01535	-.18483	.33048	-.55929
2.860	-1.286	-4.12800	-.15469	.31952	.08130	.15750	-.06571	.01595	-.14748	.32291	-.45671
2.860	-.251	-4.12831	-.10871	.31631	.06718	.15749	-.06702	.01651	-.10732	.31678	-.33879
2.860	.777	-4.12874	-.06541	.31315	.05365	.15817	-.06727	.01693	-.06965	.31223	-.22309
2.860	1.811	-4.12711	-.02574	.30911	.04036	.15592	-.06512	.01672	-.03549	.30814	-.11519
2.860	3.871	-4.12756	.06743	.30595	.00515	.15767	-.06762	.01775	.04662	.30981	.15049
2.860	5.930	-4.12678	.16778	.30447	-.03452	.15404	-.06424	.01866	.13543	.32017	.42297
2.860	7.997	-4.12801	.27163	.30106	-.07519	.15589	-.06537	.01986	.22710	.33593	.67605
2.860	10.083	-4.13013	.39124	.29813	-.12207	.15944	-.06755	.02199	.33300	.36203	.91982
	GRADIENT	.00060	.04420	-.00307	-.01464	-.00068	.00025	.00039	.03854	-.00527	.11214

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
3.900	-10.525	-4.10132	-.51949	.31272	.20033	.15515	-.06508	.01356	-.45363	.40235	-1.12744
3.900	-8.475	-4.10193	-.43971	.30382	.17616	.15481	-.06408	.01317	-.39013	.36531	-1.06794
3.900	-6.441	-4.10139	-.35679	.29256	.15066	.15314	-.06306	.01298	-.32172	.33073	-.97274
3.900	-4.394	-4.09964	-.27948	.28048	.12507	.14827	-.06002	.01197	-.25717	.30107	-.85420
3.900	-2.344	-4.09915	-.19090	.27224	.09522	.14480	-.05684	.01259	-.17980	.27682	-.64183
3.900	-1.331	-4.09730	-.15924	.26597	.08504	.14060	-.05441	.01221	-.15300	.27059	-.56542
3.900	-.307	-4.09656	-.11790	.26451	.07367	.13917	-.05360	.01293	-.11649	.26514	-.43935
3.900	.713	-4.09545	-.07670	.26175	.06070	.13728	-.05275	.01324	-.07995	.25077	-.35660
3.900	1.729	-4.09427	-.03880	.25900	.04783	.13397	-.05049	.01315	-.04559	.25771	-.18090
3.900	3.779	-4.09362	.03848	.25236	.02013	.13003	-.04674	.01431	.02177	.25434	.08560
3.900	5.818	-4.09377	.12311	.24940	-.01117	.12873	-.04499	.01521	.09719	.26059	.37295
3.900	7.861	-4.09340	.20795	.24413	-.04209	.12657	-.04340	.01549	.17261	.27028	.63863
3.900	9.908	-4.09340	.29596	.24188	-.07291	.12573	-.04285	.01584	.24992	.28920	.86429
	GRADIENT	.00083	.03969	-.00336	-.01259	-.00228	.00157	.00026	.03393	-.00562	.11521

UPWT 1088/1119 (IA-44) CONFIGURATION 02/T4/S7 (RH8006) (06 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPOBRK = .000 BDFLAP = .000

RUN NO. 0/ 0 RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
4.600	-9.889	-4.06304	-.47025	.30239	.17609	.15212	-.06354	.01295	-.41133	.37866	-1.08639
4.600	-7.897	-4.06205	-.40238	.29026	.16008	.14915	-.06094	.01187	-.35892	.34254	-1.04782
4.600	-5.919	-4.06063	-.33278	.27638	.14019	.14249	-.05712	.01074	-.30305	.30670	-.98879
4.600	-3.796	-4.06096	-.24571	.26408	.11068	.14131	-.05542	.01159	-.22768	.27977	-.81384
4.600	-1.761	-4.05989	-.16594	.25209	.09494	.13724	-.05283	.01163	-.15912	.25719	-.61889
4.600	-.729	-4.05943	-.12839	.24814	.07371	.13589	-.05190	.01229	-.12522	.24975	-.50139
4.600	.276	-4.05776	-.10013	.24226	.06584	.13174	-.04978	.01187	-.10130	.24178	-.41896
4.600	1.283	-4.05720	-.06143	.23970	.05446	.12874	-.04710	.01253	-.05678	.23926	-.28026
4.600	2.303	-4.05710	-.01675	.23712	.03926	.12679	-.04491	.01365	-.02627	.23626	-.11118
4.600	4.335	-4.05581	.04970	.22921	.01697	.12208	-.04168	.01445	.03223	.23232	.13871
4.600	6.357	-4.05476	.11797	.22333	-.00584	.11923	-.04006	.01451	.09252	.23502	.39366
4.600	8.383	-4.05400	.19604	.21763	-.03421	.11561	-.03785	.01438	.16222	.24398	.66516
4.600	10.422	-4.05371	.27829	.21597	-.06274	.11439	-.03750	.01470	.23462	.26275	.89296
	GRADIENT	.00067	.03631	-.00417	-.01139	-.00246	.00177	.00037	.03197	-.00570	.11928

UPWT 1088/1119 (IA-44) CONFIGURATION 02/T2/S7 (RH8007) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1299.3000 INCHES YMRP = .0000 IN. YT
BREF = 1299.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPDBRK = .000 BOFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
1.600	-10.637	-.05202	-.78224	.46052	.30710	.01710	-.00816	.00131	-.69380	.59699	-1.16240
1.600	-8.548	-.05103	-.61904	.45911	.23956	.01559	-.00687	.00145	-.54391	.54603	-.99613
1.600	-6.441	-.05071	-.46056	.45214	.17784	.01628	-.00762	.00223	-.40703	.50096	-.81250
1.600	-4.667	-.04834	-.33527	.44791	.12995	.01327	-.00607	.00175	-.29771	.47370	-.62848
1.600	-2.234	-.04593	-.17243	.44521	.06846	.01102	-.00553	.00168	-.15494	.45159	-.34310
1.600	-1.192	-.04570	-.10822	.44372	.04508	.01118	-.00590	.00162	-.09904	.44585	-.22213
1.600	-.124	-.04681	-.03400	.44444	.01747	.01288	-.00688	.00208	-.03304	.44452	-.07432
1.600	.927	-.04541	.02463	.44429	-.00441	.01183	-.00695	.00177	.01744	.44462	.03922
1.600	1.974	-.04546	.08408	.44232	-.02707	.01097	-.00617	.00144	.06879	.44496	.15461
1.600	4.067	-.04358	.20235	.43841	-.07589	.00918	-.00518	.00132	.17075	.45166	.37805
1.600	6.158	-.04082	.31791	.43591	-.12000	.00606	-.00464	.00092	.26931	.46749	.57609
1.600	8.269	-.04149	.43954	.43363	-.16372	.00535	-.00352	.00035	.37260	.49234	.75679
1.600	10.453	-.03800	.56950	.43060	-.20500	.00064	-.00157	.00006	.48095	.52659	.91332
	GRADIENT	.00049	.06159	-.00095	-.02342	-.00035	-.00005	-.00004	.05370	-.00235	.11626

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
2.000	-10.030	-.05518	-.71063	.41637	.28093	.01903	-.00747	.00164	-.62725	.53378	-1.17511
2.000	-7.952	-.05521	-.55937	.40987	.21948	.01947	-.00758	.00226	-.49742	.48233	-1.03128
2.000	-5.847	-.05173	-.41312	.40231	.15991	.01655	-.00688	.00235	-.36999	.44230	-.83650
2.000	-4.065	-.04987	-.30149	.39912	.11939	.01492	-.00548	.00240	-.27250	.41850	-.65114
2.000	-1.670	-.04955	-.16321	.39467	.06973	.01360	-.00521	.00230	-.15164	.39926	-.37981
2.000	-.529	-.04974	-.10759	.39174	.05078	.01229	-.00440	.00199	-.10328	.39289	-.26287
2.000	.422	-.04953	-.04574	.39025	.02956	.01359	-.00529	.00223	-.04861	.38990	-.12468
2.000	1.466	-.04731	.00654	.38867	.01066	.01140	-.00459	.00176	-.00340	.38871	-.00876
2.000	2.310	-.04912	.05829	.38634	-.00919	.01189	-.00490	.00158	.04130	.38872	.10623
2.000	4.596	-.04595	.17265	.38585	-.05703	.00961	-.00408	.00114	.14118	.39943	.35432
2.000	6.692	-.04450	.30179	.38695	-.11085	.00784	-.00301	.00141	.25465	.41949	.60705
2.000	8.793	-.04245	.42416	.38410	-.15523	.00381	-.00094	.00091	.36045	.44443	.81107
2.000	10.988	-.04127	.55370	.38069	-.19458	.00211	-.00040	.00022	.47099	.47925	.98276
	GRADIENT	.00041	.05444	-.00152	-.01994	-.00018	.00013	-.00015	.04749	-.00241	.11633

UPWT 1088/1119 (IA-44) CONFIGURATION 02/T4/56 (RH8008) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
1.600	-10.547	-.05259	-.78822	.46271	.31115	.01900	-.00917	.00211	-.68916	.60038	-1.14788
1.600	-8.555	-.05121	-.62012	.45970	.23953	.01610	-.00744	.00168	-.54484	.54683	-.99636
1.600	-6.450	-.04869	-.45984	.45354	.17697	.01340	-.00693	.00194	-.40598	.50232	-.80821
1.600	-4.631	-.04873	-.33479	.44812	.12957	.01313	-.00662	.00193	-.29743	.47367	-.62792
1.600	-2.236	-.04732	-.17535	.44529	.06872	.01139	-.00572	.00162	-.15785	.45179	-.34938
1.600	-1.184	-.04709	-.10723	.44433	.04364	.01113	-.00555	.00147	-.09802	.44645	-.21955
1.600	-.125	-.04406	-.04198	.44355	.01892	.00812	-.00460	.00126	-.04101	.44364	-.09243
1.600	.922	-.04600	.02477	.44298	-.00665	.01083	-.00596	.00153	.01763	.44332	.03978
1.600	1.979	-.04339	.08675	.44150	-.03046	.00797	-.00471	.00120	.07145	.44423	.16085
1.600	4.069	-.04162	.20732	.43747	-.08024	.00737	-.00533	.00152	.17575	.45109	.38963
1.600	6.163	-.04028	.32538	.43579	-.12538	.00572	-.00432	.00152	.27671	.46821	.59101
1.600	8.257	-.03973	.44017	.43395	-.16598	.00209	-.00198	.00043	.37329	.49267	.75768
1.600	10.452	-.03833	.56880	.43232	-.20525	.00109	-.00172	.00022	.48093	.52834	.91027
	GRADIENT	.00082	.06235	-.00113	-.02401	-.00057	.00015	-.00005	.05446	-.00247	.11802

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
2.000	-10.039	-.05305	-.71284	.41604	.28032	.01781	-.00727	.00202	-.62940	.53393	-1.17880
2.000	-7.966	-.05332	-.56464	.40993	.21810	.01643	-.00584	.00178	-.50253	.48323	-1.03993
2.000	-5.856	-.05195	-.41681	.40257	.15934	.01517	-.00599	.00204	-.37357	.44500	-.84327
2.000	-4.075	-.04819	-.30458	.39799	.11633	.01033	-.00373	.00171	-.27553	.41863	-.65817
2.000	-1.672	-.04788	-.16753	.39497	.06810	.01057	-.00419	.00175	-.15594	.39979	-.39014
2.000	-.630	-.04732	-.11197	.39289	.04839	.00999	-.00392	.00156	-.10674	.39409	-.27086
2.000	.415	-.04631	-.05229	.39138	.02722	.00910	-.00357	.00144	-.05513	.39099	-.14099
2.000	1.466	-.04592	.00733	.38957	.00441	.00824	-.00293	.00114	-.00264	.38963	-.00677
2.000	2.509	-.04580	.06365	.38691	-.01734	.00955	-.00329	.00096	.04665	.38932	.11982
2.000	4.597	-.04410	.18111	.38583	-.06680	.00687	-.00253	.00091	.14960	.39910	.37485
2.000	6.691	-.04323	.30681	.38530	-.11790	.00579	-.00175	.00125	.25969	.41944	.61913
2.000	8.791	-.04229	.42909	.38497	-.16159	.00327	-.00022	.00082	.36523	.44592	.81904
2.000	10.978	-.03994	.55717	.38051	-.19944	.00971	.00013	.00012	.47452	.47965	.98930
	GRADIENT	.00048	.05590	-.00151	-.02097	-.00043	.00017	-.00011	.04895	-.00236	.11958

UPWT 1088/1119 (IA-44) CONFIGURATION 02/T4/S3 (RH8009) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPDBRK = .000 DEFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
1.600	-10.650	-.05463	-.78656	.46275	.30967	.02255	-.01988	.00203	-.68749	.60014	-1.14555
1.600	-8.551	-.05178	-.61102	.46009	.23725	.01881	-.00927	.00220	-.53592	.54591	-.98169
1.600	-6.434	-.04916	-.45576	.45469	.17710	.01534	-.00779	.00235	-.40194	.50290	-.79925
1.600	-4.650	-.04752	-.33689	.45011	.13205	.01324	-.00682	.00192	-.29929	.47594	-.62884
1.600	-2.229	-.04599	-.17234	.44655	.06900	.01253	-.00650	.00195	-.15485	.45291	-.34190
1.600	-1.177	-.04574	-.10531	.44397	.04400	.01128	-.00603	.00170	-.09616	.44604	-.21559
1.600	-.123	-.04537	-.04034	.44262	.02003	.01095	-.00594	.00166	-.03939	.44270	-.08897
1.600	.927	-.04387	.02444	.44244	-.00536	.00969	-.00573	.00159	.01729	.44277	.03904
1.600	1.977	-.04348	.08406	.44100	-.02826	.00934	-.00562	.00150	.06879	.44364	.15506
1.600	4.071	-.04184	.20759	.43751	-.07947	.00796	-.00556	.00176	.17601	.45114	.39014
1.600	6.162	-.04272	.31980	.43414	-.12280	.00876	-.00582	.00158	.27135	.46595	.58237
1.600	8.256	-.03842	.44223	.43291	-.16520	.00301	-.00303	.00085	.37541	.49189	.76320
1.600	10.459	-.03842	.57433	.43214	-.20785	.00299	-.00310	.00087	.48635	.52922	.91899
	GRADIENT	.00069	.06219	-.00139	-.02403	-.00064	.00016	-.00004	.05429	-.00275	.11731

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
2.000	-10.024	-.05519	-.70367	.41474	.27965	.02267	-.01033	.00249	-.62074	.53099	-1.16923
2.000	-7.955	-.05337	-.55534	.40669	.21796	.01919	-.00815	.00231	-.49371	.47964	-1.02934
2.000	-5.847	-.05151	-.40977	.40059	.15911	.01655	-.00699	.00242	-.36593	.44024	-.83098
2.000	-4.076	-.04970	-.30408	.39767	.11955	.01379	-.00542	.00218	-.27505	.41627	-.66057
2.000	-1.679	-.04873	-.16427	.39416	.06956	.01327	-.00563	.00211	-.15265	.39881	-.38278
2.000	-.639	-.04949	-.10579	.39150	.04950	.01349	-.00605	.00205	-.10249	.39265	-.26101
2.000	.422	-.04935	-.04529	.39059	.02628	.01344	-.00609	.00220	-.04817	.39025	-.12344
2.000	1.465	-.04793	.00993	.38949	.00515	.01290	-.00557	.00189	-.00011	.38961	-.00027
2.000	2.511	-.04704	.06504	.38652	-.01623	.01155	-.00497	.00149	.04994	.38904	.12606
2.000	4.601	-.04491	.18145	.38440	-.05592	.00805	-.00395	.00131	.15003	.39772	.37723
2.000	6.691	-.04410	.30737	.38496	-.11757	.00782	-.00323	.00140	.26043	.41815	.62281
2.000	8.795	-.04068	.43131	.38465	-.16221	.00299	-.00100	.00089	.36742	.44607	.82369
2.000	10.994	-.04020	.55721	.38242	-.19984	.00293	-.00145	.00071	.47414	.48159	.98454
	GRADIENT	.00051	.05579	-.00158	-.02119	-.00051	.00016	-.00011	.04885	-.00241	.11986

ORIGINAL PAGE IS OF POOR QUALITY

UPWT 1088/1119 (IA-44) CONFIGURATION 32/T4/52 (RH8010) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRF = 976.0000 IN. XT
LREF = 1299.3000 INCHES YMRF = .0000 IN. YT
BREF = 1299.3000 INCHES ZMRF = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
1.600	-10.650	-.05339	-.78202	.46452	.30704	.02160	-.01198	.00205	-.68270	.60105	-1.13585
1.600	-8.558	-.04954	-.61193	.46097	.23740	.01699	-.00913	.00211	-.53652	.54690	-.98101
1.600	-6.437	-.04928	-.45347	.45519	.17516	.01629	-.00859	.00233	-.39958	.50316	-.79414
1.600	-4.639	-.04680	-.32983	.45043	.12775	.01337	-.00754	.00195	-.29233	.47562	-.61461
1.600	-2.232	-.04570	-.16924	.44757	.06753	.01183	-.00653	.00168	-.15169	.45382	-.33424
1.600	-1.188	-.04534	-.10925	.44631	.04547	.01074	-.00567	.00153	-.09997	.44848	-.22290
1.600	-.126	-.04508	-.04018	.44504	.02039	.01106	-.00635	.00161	-.03921	.44512	-.08808
1.600	.929	-.04338	.02571	.44499	-.00540	.00954	-.00620	.00173	.01949	.44536	.04377
1.600	1.984	-.04219	.08929	.44307	-.02910	.00752	-.00507	.00115	.07299	.44585	.16351
1.600	4.074	-.04201	.20536	.43907	-.07771	.00823	-.00511	.00143	.17364	.45255	.38370
1.600	6.162	-.04059	.32481	.43533	-.12498	.00609	-.00499	.00093	.27620	.46768	.59058
1.600	8.267	-.03709	.44086	.43368	-.16538	.00156	-.00269	.00025	.37392	.49256	.75914
1.600	10.460	-.03807	.57627	.43305	-.20945	.00309	-.00347	.00085	.48908	.53048	.92206
	GRADIENT	.00090	.06154	-.00123	-.02349	-.00067	.00018	-.00007	.05353	-.00253	.11577

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
2.000	-10.058	-.05436	-.71378	.42112	.27327	.02080	-.00914	.00212	-.62927	.53931	-1.16680
2.000	-7.959	-.05330	-.55480	.41480	.20855	.01918	-.00822	.00226	-.49203	.48762	-1.00903
2.000	-5.856	-.05192	-.40879	.40815	.15185	.01722	-.00720	.00247	-.36502	.44772	-.81528
2.000	-4.061	-.04999	-.29050	.40407	.10969	.01309	-.00508	.00226	-.26115	.42363	-.61647
2.000	-1.660	-.04759	-.15244	.39969	.06093	.01229	-.00530	.00216	-.14080	.40394	-.34856
2.000	-.622	-.04587	-.09670	.39694	.04103	.01021	-.00449	.00172	-.09239	.39797	-.23215
2.000	.424	-.04708	-.03732	.39440	.01947	.01148	-.00499	.00174	-.04024	.39412	-.10210
2.000	1.471	-.04507	.02001	.39229	-.00240	.00905	-.00408	.00141	.00994	.39268	.02530
2.000	2.515	-.04503	.07308	.38872	-.02237	.00997	-.00423	.00117	.05595	.39156	.14289
2.000	4.608	-.04409	.19351	.38779	-.07459	.00773	-.00354	.00105	.16173	.40208	.40222
2.000	6.709	-.04228	.31959	.38780	-.12529	.00523	-.00248	.00091	.27219	.42249	.64425
2.000	8.807	-.04195	.44364	.38641	-.16924	.00487	-.00232	.00120	.37925	.44978	.84318
2.000	10.993	-.03933	.57096	.38371	-.20595	.00245	-.00163	.00059	.49721	.49553	1.00345
	GRADIENT	.00056	.05551	-.00203	-.02088	-.00064	.00018	-.00016	.04849	-.00265	.11773

UFWT 1088/1119 (IA-44) CONFIGURATION 32/T4/S2 (RH8010) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1299.3000 INCHES YMRP = .0000 IN. YT
BREF = 1299.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPOILR = .000 DEFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
2.860	-10.618	-.00285	-.61533	.35222	.23901	.00495	-.00266	-.00048	-.53991	.45955	-1.17486
2.860	-8.536	-.00175	-.50260	.34308	.19802	.00347	-.00219	-.00050	-.44611	.41388	-1.07786
2.860	-6.462	-.00046	-.38851	.33494	.15579	.00073	-.00047	-.00069	-.34845	.37565	-.92759
2.860	-4.384	-.00052	-.28056	.32635	.11819	.00087	-.00050	-.00059	-.25479	.34685	-.73460
2.860	-2.324	.00039	-.18848	.31941	.08989	-.00059	.00032	-.00099	-.17538	.32678	-.53669
2.860	-1.288	-.00021	-.14039	.31815	.07474	.00049	-.00030	-.00058	-.13321	.32123	-.41468
2.860	-.253	-.00036	-.09589	.31730	.06275	.00097	-.00050	-.00039	-.09540	.31773	-.30025
2.860	.769	.00049	-.05988	.31398	.05306	.00024	-.00080	-.00077	-.05409	.31314	-.20465
2.860	1.806	-.00010	-.01540	.31053	.03782	.00056	-.00068	-.00078	-.02518	.30989	-.08125
2.860	3.863	.00059	.07658	.30792	.00375	.00024	-.00097	-.00092	.05566	.31238	.17820
2.860	5.936	-.00030	.17640	.30413	-.03432	.00061	-.00051	-.00085	.14405	.32071	.44918
2.860	8.001	-.00081	.28195	.30161	-.07463	.00156	-.00107	-.00065	.23723	.33792	.70204
2.860	10.077	.00049	.39228	.29700	-.11581	.00083	-.00160	-.00082	.33426	.36105	.92579
	GRADIENT	.00009	.04284	-.00221	-.01343	-.00001	-.00010	-.00003	.03721	-.00415	.11020

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
4.600	-9.894	-.00161	-.46746	.29572	.17544	.00325	-.00085	-.00017	-.40969	.37165	-1.10237
4.600	-7.872	-.00197	-.39620	.28349	.15516	.00331	-.00057	-.00100	-.35364	.33508	-1.05537
4.600	-5.833	-.00172	-.32453	.27079	.13592	.00275	-.00031	-.00116	-.29533	.30237	-.97672
4.600	-3.808	-.00097	-.25163	.25847	.11323	.00104	.00028	-.00165	-.23390	.27461	-.85176
4.600	-1.778	-.00132	-.17477	.24833	.09867	.00319	-.00122	-.00095	-.16698	.25353	-.65836
4.600	-.760	-.00065	-.13818	.24333	.07574	.00154	-.00055	-.00147	-.13494	.24514	-.55047
4.600	.257	-.00139	-.10148	.24028	.06704	.00320	-.00118	-.00099	-.10255	.23982	-.42763
4.600	1.269	-.00112	-.07251	.23603	.06052	.00211	-.00044	-.00145	-.07772	.23437	-.33161
4.600	2.298	-.00091	-.03426	.23305	.04792	.00153	-.00036	-.00161	-.04353	.23149	-.18905
4.600	4.311	-.00109	.03842	.22704	.02414	.00231	-.00085	-.00137	.02125	.22928	.09267
4.600	6.342	-.00093	.11657	.22018	-.00413	.00094	.00034	-.00139	.09153	.23171	.39503
4.600	8.377	-.00103	.20047	.21514	-.03402	.00173	-.00039	-.00124	.16699	.24294	.68991
4.600	10.412	-.00054	.28429	.20922	-.06506	.00085	-.00023	-.00132	.24171	.25714	.93998
	GRADIENT	-.00001	.03534	-.00384	-.01065	.00005	-.00005	-.00009	.03197	-.00555	.11579

ORIGINAL PAGE IS
OF POOR QUALITY

UPWT 1088/1119 (IA-44) CONFIGURATION 02/T4/S1 (RH8011) (03 JAN 75)

REFERENCE DATA

SREF = 2699.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1299.3000 INCHES YMRP = .0000 IN. YT
BREF = 1299.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPDBRK = .000 BOFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
1.600	-10.670	-.05319	-.79915	.45510	.32054	.01961	-.00852	.00253	-.70107	.59519	-1.17790
1.600	-8.577	-.05169	-.63350	.44911	.25420	.01852	-.00881	.00224	-.55944	.53856	-1.03876
1.600	-6.463	-.04949	-.47431	.44335	.19084	.01509	-.00701	.00193	-.42140	.49393	-.85316
1.600	-4.674	-.04733	-.35501	.43840	.14427	.01235	-.00596	.00156	-.31810	.46588	-.68280
1.600	-2.263	-.04497	-.19684	.43409	.08491	.01015	-.00575	.00095	-.17954	.44152	-.40665
1.600	-1.208	-.04396	-.13207	.43154	.06059	.00898	-.00522	.00076	-.12294	.43423	-.28313
1.600	-.151	-.04539	-.06287	.43071	.03593	.01148	-.00673	.00152	-.06174	.43088	-.14328
1.600	.893	-.04436	-.00534	.42992	.01390	.01094	-.00690	.00140	-.01204	.42978	-.02801
1.600	1.948	-.04272	.06252	.42982	-.01302	.00926	-.00526	.00139	.04767	.43170	.11089
1.600	4.035	-.04072	.18259	.42637	-.06373	.00703	-.00549	.00098	.15213	.43916	.34721
1.600	6.138	-.04028	.30085	.42433	-.10988	.00580	-.00452	.00058	.25375	.45407	.55894
1.600	8.225	-.03845	.41766	.42262	-.15067	.00336	-.00322	.00010	.35290	.47803	.73824
1.600	10.425	-.03784	.55082	.42093	-.19209	.00305	-.00330	.00032	.46558	.51356	.90657
	GRADIENT	.00067	.06169	-.00129	-.02369	-.00047	-.00002	-.00002	.05398	-.00307	.11924

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
2.000	-10.071	-.05419	-.71449	.41456	.27707	.02074	-.00881	.00228	-.63099	.53311	-1.18360
2.000	-7.987	-.04909	-.55955	.40349	.21417	.01457	-.00637	.00164	-.49806	.47731	-1.04347
2.000	-5.871	-.04882	-.41289	.39771	.15761	.01317	-.00525	.00170	-.37005	.43785	-.84514
2.000	-4.084	-.04593	-.30198	.39255	.11722	.00976	-.00418	.00137	-.27236	.41300	-.65947
2.000	-1.687	-.04361	-.16595	.39811	.06962	.00652	-.00280	.00075	-.15435	.39283	-.39293
2.000	-.645	-.04535	-.10867	.39511	.04085	.00890	-.00370	.00108	-.10432	.38631	-.27005
2.000	.397	-.04402	-.05533	.39279	.03146	.00795	-.00379	.00069	-.05798	.38239	-.15161
2.000	1.444	-.04295	.00212	.39071	.01007	.00713	-.00366	.00065	-.00748	.38054	-.01954
2.000	2.459	-.04059	.05942	.37880	-.01195	.00421	-.00215	.00025	.04192	.38098	.11002
2.000	4.581	-.04272	.17782	.37839	-.06256	.00628	-.00279	.00029	.14703	.39139	.37566
2.000	6.672	-.04127	.30204	.37925	-.11191	.00463	-.00225	.00023	.25593	.41177	.62153
2.000	8.782	-.03800	.42910	.37843	-.15526	.00033	-.00010	-.00001	.35630	.43950	.83343
2.000	10.957	-.03639	.55460	.37331	-.19213	-.00063	-.00040	-.00044	.47346	.47200	1.00308
	GRADIENT	.00046	.05499	-.00177	-.02043	-.00046	.00015	-.00015	.04805	-.00264	.11957

UPWT 1088/1119 (IA-44) CONFIGURATION 02/T4/S1 (RH8011) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
2.860	-10.609	-.00719	-.64757	.34562	.23952	.00964	-.00358	.00052	-.54338	.45341	-1.19842
2.860	-8.543	-.00314	-.50655	.33714	.19865	.00540	-.00295	.00053	-.45085	.40865	-1.10328
2.860	-6.470	-.00252	-.38438	.32660	.15518	.00371	-.00172	.00025	-.34514	.36783	-.93831
2.860	-4.387	-.00226	-.28938	.32169	.12380	.00317	-.00131	.00030	-.26393	.34288	-.76974
2.860	-2.319	-.00092	-.18609	.31560	.08927	.00168	-.00090	.00026	-.17313	.32387	-.53457
2.860	-1.289	-.00096	-.14577	.31557	.07841	.00209	-.00134	.00018	-.13864	.31877	-.43491
2.860	-.252	-.00181	-.09971	.31280	.06626	.00317	-.00172	.00007	-.09833	.31324	-.31392
2.860	.778	-.00177	-.05379	.30975	.05295	.00325	-.00188	-.00008	-.05799	.30900	-.18766
2.860	1.810	-.00109	-.01388	.30798	.03933	.00200	-.00117	-.00040	-.02360	.30739	-.07677
2.860	3.868	-.00112	.07610	.30403	.00751	.00257	-.00195	-.00034	.05542	.30947	.17965
2.860	5.921	-.00041	.16458	.29981	-.02578	.00121	-.00110	-.00049	.13278	.31519	.42126
2.860	8.004	-.00039	.27928	.29539	-.05817	.00155	-.00151	-.00055	.23543	.33140	.71041
2.860	10.077	.00041	.38962	.29169	-.10913	.00095	-.00155	-.00059	.33257	.35536	.93587
	GRADIENT	.00008	.04380	-.00216	-.01362	-.00001	-.00008	-.00010	.03823	-.00416	.11444

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
3.900	-10.529	-.00371	-.50260	.29860	.19093	.00721	-.00313	.00054	-.43959	.38541	-1.14053
3.900	-8.493	-.00340	-.42414	.28877	.16722	.00602	-.00227	.00026	-.37684	.34824	-1.08214
3.900	-6.447	-.00309	-.34707	.27750	.14469	.00563	-.00235	.00020	-.31372	.31472	-.99684
3.900	-4.403	-.00297	-.26116	.25669	.11609	.00566	-.00245	.00016	-.23992	.28596	-.83900
3.900	-2.360	-.00324	-.18318	.26068	.09061	.00616	-.00253	.00021	-.17229	.26800	-.64288
3.900	-1.336	-.00301	-.14398	.25809	.07818	.00497	-.00148	-.00002	-.13792	.26137	-.52768
3.900	-.319	-.00237	-.10781	.25505	.06748	.00577	-.00264	.00022	-.10539	.25556	-.41613
3.900	.700	-.00253	-.07310	.25197	.05777	.00535	-.00251	.00004	-.07517	.25196	-.30340
3.900	1.727	-.00215	-.03697	.25000	.04713	.00410	-.00176	-.00029	-.04448	.24878	-.17881
3.900	3.765	-.00251	.03935	.24468	.02599	.00477	-.00211	-.00015	.02320	.24674	.09402
3.900	5.805	-.00239	.12159	.23987	-.00766	.00460	-.00216	-.00029	.09670	.25094	.38535
3.900	7.847	-.00251	.20694	.23457	-.03805	.00447	-.00193	-.00036	.17286	.26071	.66303
3.900	9.891	-.00189	.29494	.23162	-.07093	.00261	-.00054	-.00048	.25075	.27885	.89924
	GRADIENT	.00010	.03659	-.00269	-.01139	-.00017	.00004	-.00005	.03194	-.00480	.11390

UPWT 1088/1119 (IA-44) CONFIGURATION 02/T4/S1 (RH8011) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPOBRK = .000 BOFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
4.600	-9.991	-.00277	-.48007	.29291	.18247	.00652	-.00256	.00045	-.42255	.37109	-1.13868
4.600	-7.870	-.00130	-.40243	.27966	.16127	.00317	-.00143	.00014	-.36035	.33213	-1.08498
4.600	-5.841	-.00227	-.32760	.26583	.13954	.00489	-.00181	-.00010	-.29874	.29879	-.99983
4.600	-3.913	-.00249	-.25282	.25561	.11498	.00540	-.00204	-.00023	-.23527	.27185	-.86542
4.600	-1.777	-.00221	-.17600	.24535	.09037	.00589	-.00278	.00015	-.16839	.25069	-.67135
4.600	-.757	-.00190	-.13769	.24091	.07775	.00534	-.00271	-.00001	-.13450	.24271	-.55416
4.600	.251	-.00144	-.10486	.23697	.06950	.00422	-.00227	-.00029	-.10599	.23651	-.44774
4.600	1.269	-.00216	-.07029	.23365	.06038	.00536	-.00235	-.00039	-.07544	.23294	-.32514
4.600	2.282	-.00200	-.03593	.23029	.04948	.00533	-.00262	-.00060	-.04508	.22868	-.19712
4.600	4.316	-.00191	.04052	.22469	.02404	.00501	-.00252	-.00045	.02349	.22710	.10344
4.600	6.345	-.00126	.11594	.21771	-.00212	.00359	-.00212	-.00057	.09217	.22929	.40195
4.600	8.377	-.00090	.19872	.21178	-.03269	.00273	-.00177	-.00073	.16574	.23848	.69502
4.600	10.411	-.00143	.28412	.20659	-.06503	.00358	-.00189	-.00066	.24211	.25452	.95123
	GRADIENT	.00005	.03565	-.00378	-.01095	-.00006	-.00003	-.00006	.03142	-.00548	.11844

UPWT 1098/1119 (IA-44) CONFIGURATION 02/T4/S8 (RH8012) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPDBRK = .000 BOFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
1.600	-10.661	-.05187	-.78754	.45506	.30945	.01996	-.01035	.00200	-.68977	.59290	-1.16338
1.600	-8.567	-.05148	-.61837	.45205	.24021	.01834	-.00928	.00179	-.54413	.53912	-1.00929
1.600	-6.455	-.04961	-.43971	.44515	.17881	.01573	-.00836	.00193	-.40676	.49401	-.82339
1.600	-4.659	-.04656	-.33816	.43945	.13206	.01224	-.00684	.00157	-.30135	.46546	-.64743
1.600	-2.253	-.04574	-.17757	.43626	.07132	.01269	-.00792	.00177	-.16928	.44291	-.38187
1.600	-1.202	-.04514	-.10714	.43530	.04509	.01216	-.00770	.00177	-.09799	.43745	-.22400
1.600	-.146	-.04661	-.04425	.43452	.02266	.01430	-.00977	.00204	-.04314	.43463	-.09926
1.600	.904	-.04238	.02090	.43383	-.00184	.00897	-.00617	.00132	.01405	.43411	.03237
1.600	1.957	-.04398	.09253	.43305	-.02531	.01111	-.00712	.00163	.06770	.43561	.15541
1.600	4.055	-.04272	.20412	.42897	-.07505	.01019	-.00718	.00181	.17334	.44143	.39267
1.600	6.146	-.04096	.31572	.42411	-.11655	.00728	-.00537	.00123	.26850	.45548	.58950
1.600	8.246	-.03964	.43553	.42272	-.15855	.00485	-.00382	.00079	.37040	.48082	.77036
1.600	10.421	-.03897	.56044	.42051	-.19579	.00391	-.00342	.00077	.47513	.51494	.92269
	GRADIENT	.00047	.06214	-.00118	-.02356	-.00032	.00004	.00001	.05441	-.00259	.12014

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
2.000	-10.053	-.05661	-.70881	.41213	.27793	.02399	-.01079	.00254	-.62598	.52954	-1.18213
2.000	-7.967	-.05447	-.55959	.40551	.21539	.02101	-.00961	.00233	-.49798	.47916	-1.03927
2.000	-5.881	-.05118	-.43824	.39720	.15931	.01624	-.00746	.00181	-.37535	.43796	-.85703
2.000	-4.085	-.04954	-.30231	.39260	.11611	.01394	-.00619	.00210	-.27357	.41313	-.66219
2.000	-1.701	-.04967	-.16672	.38859	.06907	.01351	-.00619	.00201	-.15512	.39336	-.39433
2.000	-.644	-.04775	-.10776	.38635	.04949	.01265	-.00587	.00189	-.10342	.38754	-.26686
2.000	.404	-.04710	-.05015	.38498	.02990	.01236	-.00599	.00190	-.05287	.38452	-.13746
2.000	1.441	-.04639	.00418	.38282	.01049	.01148	-.00555	.00163	-.00545	.38280	-.01425
2.000	2.492	-.04659	.06052	.38099	-.01043	.01181	-.00555	.00190	.04399	.38326	.11454
2.000	4.589	-.04629	.17925	.37954	-.05922	.01095	-.00485	.00186	.14831	.39267	.37771
2.000	6.685	-.04438	.30426	.37933	-.11026	.00854	-.00377	.00173	.25803	.41217	.62604
2.000	8.776	-.04127	.42592	.37585	-.15293	.00422	-.00163	.00118	.36344	.43741	.83087
2.000	10.961	-.03947	.55034	.37237	-.19874	.00207	-.00084	.00047	.46953	.47022	.99847
	GRADIENT	.00041	.05520	-.00157	-.01990	-.00037	.00015	-.00003	.04836	-.00243	.12515

ORIGINAL PAGE IS
OF POOR QUALITY

UPWT 1088/1119 (IA-44) CONFIGURATION 02/T4/S8 (RH8012) (03 JAN 75)

REFERENCE DATA

SREF = 2699.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
3.900	-10.519	-.01597	-.49509	.30786	.18783	-.00432	.00065	.00053	-.43057	.39307	-1.09541
3.900	-8.466	-.01786	-.41424	.29856	.16276	-.00105	-.00070	.00062	-.36577	.35629	-1.02662
3.900	-6.426	-.01878	-.33909	.28610	.14238	.00036	-.00137	.00065	-.30495	.32225	-.94631
3.900	-4.368	-.01935	-.25722	.27467	.11597	.00093	-.00126	.00038	-.23555	.29346	-.80268
3.900	-2.346	-.02015	-.18321	.26560	.09372	.00191	-.00142	.00044	-.17219	.27287	-.63101
3.900	-1.324	-.02097	-.14396	.26240	.08142	.00405	-.00260	.00083	-.13786	.26566	-.51892
3.900	-.305	-.02148	-.10299	.25962	.05900	.00534	-.00322	.00094	-.10161	.26017	-.39055
3.900	.708	-.02172	-.06844	.25536	.05956	.00572	-.00316	.00076	-.07159	.25450	-.28131
3.900	1.731	-.02131	-.03381	.25239	.04939	.00518	-.00293	.00043	-.04142	.25126	-.16484
3.900	3.776	-.02279	.03993	.24789	.02505	.00796	-.00401	.00096	.02352	.24998	.09410
3.900	5.824	-.02392	.12282	.24321	-.00339	.01027	-.00503	.00115	.09750	.25442	.38324
3.900	7.869	-.02525	.21033	.23875	-.03579	.01173	-.00528	.00148	.17567	.26530	.66216
3.900	9.907	-.02505	.29183	.23379	-.06444	.01000	-.00398	.00103	.24725	.28052	.88143
	GRADIENT	-.00039	.03655	-.00329	-.01115	.00085	-.00034	.00005	.03190	-.00533	.11126

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
4.600	-9.885	-.01661	-.45236	.29834	.16947	-.00483	.00115	.00058	-.39443	.37157	-1.06153
4.600	-7.852	-.01701	-.39316	.28504	.15111	-.00478	.00156	-.00021	-.34062	.33471	-1.01767
4.600	-5.821	-.01997	-.30125	.27322	.12706	-.00012	-.00059	.00070	-.27199	.30236	-.89954
4.600	-3.798	-.01919	-.23355	.26066	.10659	.00042	-.00099	.00040	-.21577	.27555	-.78304
4.600	-1.804	-.01990	-.14452	.24628	.08098	.00234	-.00205	.00017	-.13931	.24926	-.55890
4.600	-.748	-.01975	-.13165	.24331	.07723	.00195	-.00178	-.00010	-.12847	.24501	-.52433
4.600	.267	-.02059	-.09150	.23982	.06471	.00471	-.00307	.00060	-.09262	.23940	-.38689
4.600	1.295	-.02193	-.04914	.23654	.05239	.00749	-.00405	.00150	-.05444	.23537	-.23127
4.600	2.303	-.02225	-.00917	.23479	.04033	.00908	-.00491	.00172	-.01860	.23424	-.07941
4.600	4.334	-.02215	.05656	.22768	.02010	.00904	-.00494	.00143	.03919	.23130	.16943
4.600	6.360	-.02264	.12610	.22118	-.00293	.01015	-.00528	.00142	.10083	.23379	.43127
4.600	8.389	-.02297	.20162	.21464	-.03089	.00960	-.00457	.00095	.16815	.24176	.69552
4.600	10.431	-.02371	.28305	.20891	-.05995	.01073	-.00509	.00119	.24055	.25670	.93709
	GRADIENT	-.00044	.03638	-.00390	-.01096	.00128	-.00057	.00021	.03209	-.00525	.12139

UPWT 1088/1119 (IA-44) CONFIGURATION 03/T4/S7 (RH8013) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
1.600	-10.644	-.05155	-.76416	.45353	.29209	.01255	-.00349	-.00031	-.66725	.58697	-1.13696
1.600	-8.566	-.05115	-.59389	.45085	.22219	.01247	-.00323	.00027	-.52011	.53427	-.97349
1.600	-6.452	-.04773	-.44161	.44509	.16391	.00934	-.00215	.00041	-.38879	.49189	-.79041
1.600	-4.656	-.04672	-.32189	.44143	.11938	.00859	-.00209	.00033	-.28500	.46611	-.61145
1.600	-2.253	-.04659	-.16646	.43953	.06027	.00894	-.00267	.00042	-.14906	.44573	-.33441
1.600	-1.199	-.04335	-.10773	.43841	.03887	.00546	-.00150	-.00011	-.09853	.44057	-.22364
1.600	-.147	-.04449	-.03766	.43835	.01348	.00739	-.00276	.00039	-.03654	.43845	-.08334
1.600	.907	-.04440	.02397	.43814	-.00943	.00809	-.00368	.00048	.01703	.43846	.03885
1.600	1.947	-.04479	.08024	.43624	-.03015	.00830	-.00358	.00015	.06537	.43872	.14900
1.600	4.048	-.04321	.19898	.43203	-.07938	.00668	-.00318	-.00012	.16799	.44500	.37750
1.600	6.129	-.04049	.30991	.42931	-.12181	.00269	-.00157	-.00075	.26230	.45994	.57029
1.600	8.232	-.04013	.42294	.42793	-.16136	.00060	.00067	-.00117	.35731	.48409	.73812
1.600	10.415	-.03909	.55084	.42634	-.20329	-.00122	.00148	-.00139	.46470	.51899	.89555
	GRADIENT	.00037	.05981	-.00098	-.02261	-.00014	-.00018	-.00004	.05204	-.00229	.11443

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
2.000	-10.044	-.05358	-.69775	.41266	.26674	.01548	-.00484	.00022	-.61509	.52803	-1.16489
2.000	-7.972	-.05233	-.54747	.40631	.20508	.01414	-.00395	.00081	-.48583	.47931	-1.01572
2.000	-5.867	-.05172	-.40314	.40056	.14852	.01427	-.00420	.00146	-.36009	.43967	-.81899
2.000	-4.092	-.04904	-.29542	.39699	.10918	.01103	-.00276	.00146	-.26734	.41703	-.64105
2.000	-1.702	-.04844	-.16144	.39425	.06291	.01046	-.00270	.00129	-.14966	.39888	-.37520
2.000	-.656	-.04732	-.10717	.39183	.04402	.00937	-.00245	.00101	-.10268	.39303	-.26124
2.000	.392	-.04702	-.05175	.39056	.02578	.00892	-.00222	.00084	-.05442	.38969	-.13964
2.000	1.441	-.04603	.00455	.38896	.00550	.00753	-.00186	.00076	-.00523	.38895	-.01345
2.000	2.496	-.04521	.05652	.38625	-.01307	.00651	-.00105	.00044	.03970	.38834	.10223
2.000	4.575	-.04502	.16930	.38510	-.03998	.00637	-.00117	.00044	.13804	.39737	.34739
2.000	6.657	-.04368	.28938	.38387	-.10941	.00394	.00044	.00022	.24186	.41476	.58314
2.000	8.760	-.04148	.40797	.38217	-.15233	-.00012	.00271	-.00042	.34501	.43985	.78438
2.000	10.951	-.04011	.53686	.37955	-.19182	-.00197	.00325	-.00089	.45498	.47463	.95860
	GRADIENT	.00053	.05342	-.00146	-.01919	-.00062	.00022	-.00013	.04549	-.00237	.11418

UPWT 1098/1119 (IA-44) CONFIGURATION 03/T4/S7 (RH8013) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1299.3000 INCHES YMRP = .0000 IN. YT
BREF = 1299.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
2.500	-10.912	-.01550	-.67872	.37471	.26573	-.00455	.00171	-.00156	-.59552	.49642	-1.19961
2.500	-8.926	-.01491	-.55085	.36471	.21337	-.00477	.00129	-.00129	-.48837	.44491	-1.09768
2.500	-6.734	-.01495	-.42536	.35514	.16368	-.00590	.00253	-.00156	-.38078	.40258	-.94587
2.500	-4.652	-.01604	-.31327	.35101	.12199	-.00407	.00156	-.00095	-.28377	.37526	-.75620
2.500	-2.572	-.01646	-.20206	.35003	.08533	-.00321	.00109	-.00045	-.18615	.35875	-.51889
2.500	-1.533	-.01831	-.15649	.34889	.07375	-.00064	-.00011	-.00039	-.14710	.35295	-.41676
2.500	-.490	-.01674	-.10972	.34658	.06197	-.00201	-.00059	-.00049	-.10675	.34751	-.30720
2.500	.545	-.01859	-.06683	.34520	.05197	.00053	-.00127	-.00055	-.07011	.34455	-.20348
2.500	1.575	-.01917	-.02413	.34219	.03952	.00130	-.00164	-.00065	-.03353	.34140	-.09821
2.500	3.651	-.01976	.07154	.33860	.00577	.00211	-.00217	-.00076	.04984	.34247	.14552
2.500	5.723	-.02067	.17769	.33602	-.03548	.00333	-.00283	-.00072	.14329	.35206	.40701
2.500	7.817	-.02214	.30341	.33409	-.09712	.00598	-.00388	-.00020	.25515	.37226	.68542
2.500	9.898	-.02336	.42496	.33129	-.13372	.00928	-.00478	.00036	.36168	.39941	.90555
	GRADIENT	-.00047	.04554	-.00158	-.01327	.00080	-.00049	.00000	.03939	-.00409	.10695

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
2.860	-10.619	-.01747	-.63655	.35261	.24906	-.00230	.00086	-.00143	-.56067	.46387	-1.20867
2.860	-8.540	-.01663	-.52676	.34554	.20586	-.00263	.00023	-.00102	-.46961	.41994	-1.11828
2.860	-6.464	-.01664	-.41811	.33650	.16923	-.00250	-.00004	-.00099	-.37757	.38144	-.98985
2.860	-4.387	-.01871	-.30107	.32882	.12948	-.00002	-.00061	-.00031	-.27504	.35088	-.78385
2.860	-2.323	-.01902	-.20143	.32066	.09744	-.00018	.00005	-.00065	-.18827	.32856	-.57300
2.860	-1.296	-.01952	-.15313	.31854	.08241	.00057	-.00043	-.00044	-.14594	.32190	-.45339
2.860	-.250	-.01941	-.11295	.31627	.07156	.00036	-.00023	-.00082	-.11147	.31676	-.35190
2.860	.786	-.02081	-.06745	.31375	.05779	.00305	-.00191	-.00036	-.07175	.31280	-.22938
2.860	1.814	-.02163	-.02221	.31152	.04243	.00426	-.00247	-.00025	-.03206	.31067	-.10321
2.860	3.876	-.02243	.06658	.30794	.00988	.00547	-.00319	-.00012	.04562	.31173	.14634
2.860	5.931	-.02331	.16331	.30357	-.02701	.00674	-.00387	.00004	.13197	.31892	.41110
2.860	8.002	-.02356	.27380	.30004	-.07059	.00911	-.00570	.00041	.22936	.33523	.68419
2.860	10.074	-.02350	.39244	.29751	-.11617	.01039	-.00660	.00083	.33434	.36157	.92469
	GRADIENT	-.00049	.04412	-.00246	-.01413	.00077	-.00039	.00004	.03846	-.00464	.11254

UPWT 1088/1119 (IA-44) CONFIGURATION 03/24/57 (RH8013) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 499.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPOIL = .000 BDFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
3.900	-10.509	-.01866	-.50134	.30334	.18825	-.00089	.00030	-.00019	-.43761	.38969	-1.12296
3.900	-8.479	-.01943	-.42328	.29310	.16364	.00054	-.00055	-.00023	-.37546	.35229	-1.06578
3.900	-6.432	-.02000	-.34665	.28151	.14134	.00121	-.00058	-.00049	-.31294	.31857	-.98232
3.900	-4.388	-.02091	-.26156	.27143	.11319	.00321	-.00146	.00000	-.24003	.29064	-.82586
3.900	-2.351	-.02045	-.19511	.26309	.08963	.00225	-.00079	-.00022	-.17416	.27046	-.64393
3.900	-1.332	-.02026	-.14999	.25961	.07970	.00179	-.00058	-.00065	-.14391	.26303	-.54714
3.900	-.302	-.02073	-.10953	.25683	.06597	.00279	-.00114	-.00041	-.10817	.25749	-.42025
3.900	.714	-.02063	-.07432	.25374	.05714	.00277	-.00132	-.00049	-.07748	.25279	-.30649
3.900	1.735	-.02035	-.04263	.25128	.04908	.00227	-.00118	-.00086	-.05022	.24987	-.20099
3.900	3.771	-.02072	.03596	.24766	.02227	.00229	-.00090	-.00072	.01959	.24949	.07853
3.900	5.817	-.02099	.11624	.24299	-.00552	.00293	-.00135	-.00104	.09101	.25352	.35898
3.900	7.866	-.02216	.21293	.23932	-.04198	.00635	-.00298	.00014	.17817	.26521	.66929
3.900	9.910	-.02185	.30299	.23602	-.07342	.00639	-.00252	.00057	.25785	.28464	.90588
	GRADIENT	.00001	.03619	-.00291	-.01091	-.00005	.00002	-.00009	.03157	-.00504	.11072

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
4.600	-9.894	-.00427	-.46961	.29328	.17289	-.03558	.01457	-.00220	-.41224	.36961	-1.11535
4.600	-7.853	-.00531	-.39212	.27941	.15060	-.03366	.01399	-.00193	-.35026	.33037	-1.06022
4.600	-5.837	-.00710	-.31700	.26698	.12939	-.02979	.01252	-.00171	-.28820	.29784	-.96765
4.600	-3.796	-.00990	-.24210	.25574	.10650	-.02470	.01025	-.00131	-.22464	.27120	-.82830
4.600	-1.766	-.01047	-.16521	.24617	.08248	-.02099	.00868	-.00069	-.15754	.25114	-.62731
4.600	-.750	-.01015	-.13626	.24060	.07479	-.02219	.00952	-.00172	-.13319	.24236	-.54918
4.600	.273	-.01144	-.09914	.23707	.06392	-.01897	.00804	-.00115	-.09926	.23560	-.41954
4.600	1.286	-.01230	-.06009	.23343	.05299	-.01705	.00729	-.00079	-.06531	.23203	-.28149
4.600	2.300	-.01216	-.02874	.23024	.04529	-.01771	.00772	-.00136	-.03796	.22891	-.16583
4.600	4.327	-.01347	.04678	.22537	.01938	-.01460	.00618	-.00065	.02964	.22925	.12987
4.600	6.358	-.01429	.11560	.21730	-.00450	-.01394	.00561	-.00095	.09083	.22877	.39702
4.600	8.389	-.01536	.20324	.21286	-.03624	-.01074	.00588	-.00016	.17002	.24023	.70774
4.600	10.429	-.01659	.29726	.20999	-.07206	-.00631	.00397	.00122	.25452	.25934	.98142
	GRADIENT	-.00055	.03527	-.00376	-.01043	.00122	-.00048	.00005	.03104	-.00531	.11775

ORIGINAL PAGE IS
OF POOR QUALITY

UPWT 1088/1119 (TA-44) CONFIGURATION 02/T4/S7 (RH8014) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = 8.000 ELV-RI = 8.000
ELV-RO = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = .000

RUN NO. 0/ 0 RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
1.600	-10.631	-.06602	-.76777	.45840	.28896	.01106	-.00503	.00079	-.67003	.59217	-1.13147
1.600	-8.545	-.06704	-.59857	.45735	.21946	.01173	-.00497	.00130	-.52397	.54121	-.96814
1.600	-6.434	-.06515	-.44738	.45214	.16214	.01027	-.00489	.00150	-.39390	.49942	-.78872
1.600	-4.638	-.06491	-.32269	.44825	.11553	.01117	-.00608	.00254	-.28539	.47287	-.60352
1.600	-2.228	-.06780	-.15672	.44427	.05641	.01410	-.00712	.00255	-.14932	.45041	-.33153
1.600	-1.174	-.06646	-.09984	.44225	.03216	.01241	-.00618	.00207	-.09076	.44421	-.20431
1.600	-.122	-.06666	-.03999	.44152	.01077	.01286	-.00654	.00210	-.03905	.44160	-.08842
1.600	.939	-.06658	.03113	.44069	-.01519	.01357	-.00743	.00227	.02391	.44114	.05421
1.600	1.988	-.06783	.09358	.43843	-.03349	.01510	-.00813	.00239	.07832	.44141	.17743
1.600	4.074	-.06656	.20958	.43369	-.08787	.01432	-.00816	.00218	.17823	.44748	.39830
1.600	6.172	-.06673	.32885	.43266	-.13435	.01437	-.00792	.00294	.28043	.46559	.60242
1.600	8.274	-.06778	.44931	.43216	-.17631	.01509	-.00782	.00301	.38244	.49232	.77681
1.600	10.451	-.06582	.57152	.42974	-.21369	.01253	-.00657	.00282	.48409	.52628	.91993
	GRADIENT	-.00016	.06130	-.00157	-.02316	.00035	-.00025	-.00004	.05345	-.00278	.11639

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
2.000	-10.902	-.06895	-.67482	.41335	.25567	.01491	-.00677	.00252	-.59277	.52427	-1.13066
2.000	-7.927	-.06748	-.53034	.40581	.19580	.01235	-.00511	.00225	-.46931	.47508	-.98786
2.000	-5.831	-.06934	-.38934	.39918	.14244	.01409	-.00635	.00275	-.34678	.43667	-.79415
2.000	-4.042	-.06753	-.27821	.39447	.10222	.01332	-.00516	.00279	-.24971	.41310	-.60449
2.000	-1.648	-.06859	-.14529	.39068	.05702	.01433	-.00540	.00250	-.13399	.39470	-.33947
2.000	-.602	-.06912	-.09281	.38865	.03993	.01447	-.00599	.00224	-.08872	.38960	-.22773
2.000	.436	-.06980	-.03851	.38648	.02127	.01496	-.00694	.00232	-.04145	.38618	-.10735
2.000	1.492	-.06955	.01849	.38478	.00097	.01544	-.00685	.00223	.00852	.38512	.02212
2.000	2.521	-.06915	.07064	.38167	-.01878	.01454	-.00617	.00189	.05378	.38441	.13990
2.000	4.615	-.06799	.18913	.38028	-.07033	.01374	-.00609	.00181	.15792	.39427	.40055
2.000	6.707	-.06910	.31364	.39270	-.11995	.01543	-.00591	.00235	.26579	.41672	.64022
2.000	8.221	-.06934	.40838	.38173	-.15493	.01494	-.00612	.00266	.34960	.43620	.80146
2.000	10.992	-.06906	.56318	.37723	-.20106	.01415	-.00545	.00243	.48092	.47770	1.00674
	GRADIENT	-.00010	.05356	-.00175	-.01953	.00009	.00002	-.00011	.04669	-.00230	.11599

UPWT 1088/1119 (IA-44) CONFIGURATION 02/T4/S7 (RH8014) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 480.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = 8.000 ELV-RI = 8.000
ELV-RO = .000 RUDDER = .000
SPOBK = .000 BDFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
2.500	-10.907	-.01146	-.65879	.38121	.25202	-.00946	.00359	-.00142	-.57476	.49897	-1.15188
2.500	-8.817	-.01362	-.52857	.37091	.19866	-.00643	.00204	-.00078	-.46547	.44754	-1.04004
2.500	-6.724	-.01356	-.40685	.36156	.15057	-.00715	.00269	-.00068	-.36172	.40671	-.88937
2.500	-4.638	-.01470	-.28579	.35739	.10509	-.00570	.00201	-.00016	-.25587	.37923	-.67471
2.500	-2.566	-.01533	-.19626	.35362	.07404	-.00489	.00156	-.00049	-.17025	.35161	-.47089
2.500	-1.521	-.01672	-.13709	.35310	.06026	-.00272	.00047	-.00011	-.12766	.35661	-.35799
2.500	-.473	-.01920	-.08725	.35198	.04912	-.00019	-.00091	.00058	-.08434	.35269	-.23915
2.500	.554	-.01936	-.04427	.34998	.03714	.00172	-.00188	.00060	-.04765	.34953	-.13632
2.500	1.594	-.02026	.00299	.34708	.02301	.00301	-.00238	.00052	-.00667	.34703	-.01923
2.500	3.659	-.02079	.09455	.34259	-.00916	.00469	-.00375	.00061	.07249	.34802	.20828
2.500	5.736	-.02197	.20398	.34072	-.05149	.00670	-.00491	.00073	.16899	.35941	.46994
2.500	7.819	-.02399	.32105	.33979	-.09793	.00880	-.00567	.00100	.27184	.38039	.71481
2.500	9.907	-.02569	.43765	.33556	-.14256	.01088	-.00573	.00127	.37339	.40586	.92002
	GRADIENT	-.00085	.04571	-.00171	-.01336	.00142	-.00076	.00014	.03948	-.00378	.10685

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
2.860	-10.608	-.01359	-.61359	.36039	.23509	-.00789	.00331	-.00072	-.53677	.46718	-1.14895
2.860	-8.545	-.01379	-.50536	.35119	.19445	-.00644	.00170	-.00053	-.44756	.42238	-1.05961
2.860	-6.457	-.01488	-.39642	.34247	.15667	-.00522	.00129	-.00020	-.35539	.38488	-.92337
2.860	-4.365	-.01720	-.27850	.33375	.11673	-.00221	.00016	.00027	-.25229	.35398	-.71273
2.860	-2.312	-.01801	-.18470	.32544	.08741	-.00198	.00064	-.00036	-.17142	.33263	-.51535
2.860	-1.270	-.01974	-.13422	.32365	.07128	.00074	-.00058	.00043	-.12702	.32656	-.38895
2.860	-.238	-.01939	-.09557	.32127	.06124	.00071	-.00079	.00004	-.09424	.32166	-.29295
2.860	.786	-.01968	-.05333	.31755	.04909	.00203	-.00189	.00026	-.05768	.31679	-.18205
2.860	1.811	-.02101	-.00672	.31547	.03252	.00410	-.00274	.00055	-.01669	.31510	-.05296
2.860	3.880	-.02332	.09502	.31211	-.00169	.00768	-.00437	.00120	.06370	.31714	.20085
2.860	5.936	-.02413	.17899	.30961	-.03769	.00916	-.00517	.00110	.14611	.32547	.44894
2.860	8.015	-.02509	.29454	.30635	-.08356	.01238	-.00714	.00189	.24895	.34443	.72278
2.860	10.090	-.02595	.40552	.30250	-.12599	.01215	-.00745	.00174	.34625	.36886	.93870
	GRADIENT	-.00070	.04369	-.00260	-.01400	.00122	-.00061	.00012	.03796	-.00444	.11059

UPWT 1089/1119 (IA-44) CONFIGURATION 02/T4/S7 (548014) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = 8.000 ELV-RI = 8.000
ELV-RO = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
3.900	-10.520	-.01192	-.49403	.31089	.18399	-.01258	.00454	-.00014	-.42897	.39586	-1.08364
3.900	-8.465	-.01400	-.41120	.30179	.15889	-.00842	.00244	.00024	-.36228	.35903	-1.00911
3.900	-6.432	-.01501	-.33916	.28946	.13946	-.00653	.00147	-.00007	-.30460	.32564	-.93540
3.900	-4.398	-.01745	-.25586	.27867	.11278	-.00275	.00035	.00029	-.23374	.29747	-.78577
3.900	-2.344	-.01751	-.18650	.26913	.09274	-.00315	.00075	-.00035	-.17534	.27654	-.63407
3.900	-1.326	-.01869	-.14099	.26732	.07788	-.00054	-.00048	.00038	-.13477	.27051	-.49819
3.900	-.307	-.01925	-.10647	.26417	.06776	.00074	-.00101	.00027	-.10505	.26474	-.39682
3.900	.709	-.01953	-.07036	.26016	.05567	.00157	-.00142	.00012	-.07357	.25927	-.28375
3.900	1.730	-.01999	-.03265	.25788	.04495	.00283	-.00219	.00029	-.04042	.25578	-.15742
3.900	3.780	-.02202	.04867	.25537	.01769	.00554	-.00344	.00143	.03193	.25804	.12374
3.900	5.809	-.02255	.12524	.24966	-.00922	.00751	-.00375	.00077	.09933	.26105	.38050
3.900	7.865	-.02397	.21744	.24577	-.04420	.00940	-.00438	.00127	.18176	.27321	.66527
3.900	9.910	-.02390	.30050	.24135	-.07342	.00769	-.00291	.00090	.25448	.28945	.87916
	GRADIENT	-.00056	.03724	-.00286	-.01159	.00120	-.00051	.00013	.03249	-.00498	.11203

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
4.600	-9.881	-.01347	-.45333	.30165	.16766	-.01192	.00377	.00017	-.39493	.37497	-1.05297
4.600	-7.875	-.01393	-.38652	.28764	.15906	-.01188	.00429	-.00051	-.34346	.33789	-1.01649
4.600	-5.919	-.01556	-.30918	.27508	.12825	-.00779	.00241	-.00023	-.27959	.30500	-.91670
4.600	-3.787	-.01677	-.23902	.26244	.10723	-.00548	.00151	-.00009	-.22117	.27765	-.79656
4.600	-1.772	-.01820	-.16318	.25273	.09343	-.00202	-.00013	.00052	-.15529	.25766	-.60279
4.600	-.744	-.01785	-.12957	.24692	.07326	-.00277	.00030	-.00021	-.12635	.24848	-.50850
4.600	.268	-.01902	-.08948	.24371	.06126	.00057	-.00127	.00044	-.09052	.24329	-.37248
4.600	1.287	-.01902	-.05949	.23922	.05387	.00045	-.00091	.00007	-.06485	.23782	-.27268
4.600	2.297	-.01957	-.02152	.23559	.04253	.00205	-.00155	.00039	-.03099	.23564	-.13153
4.600	4.325	-.01973	.04803	.23069	.02006	.00314	-.00243	.00027	.03050	.23365	.13051
4.600	6.349	-.02110	.12542	.22465	-.00783	.00608	-.00326	.00098	.09981	.23714	.42088
4.600	8.390	-.02152	.20274	.21893	-.03576	.00602	-.00305	.00075	.16962	.24617	.68898
4.600	10.421	-.02236	.28620	.21384	-.06674	.00663	-.00276	.00105	.24280	.26208	.92643
	GRADIENT	-.00037	.03523	-.00391	-.01056	.00109	-.00047	.00003	.03090	-.00541	.11465

UPWT 1088/1119 (IA-44) CONFIGURATION 32/T4/S7 (RH8015) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = -8.000
ELV-LI = 8.000 ELV-RI = 8.000
ELV-RO = -8.000 RUDDER = .000
SPOILR = .000 BDFLAP = .000

RUN NO. 9/ 9 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
1.600	-10.540	-.06503	-.78155	.46293	.30184	.01078	-.00469	.00246	-.59263	.59928	-1.13909
1.600	-8.518	-.06517	-.60600	.45072	.22933	.01015	-.00469	.00268	-.53107	.54540	-.97372
1.600	-6.425	-.06516	-.44886	.45613	.16939	.01108	-.00576	.00351	-.39500	.50350	-.78452
1.600	-4.632	-.06394	-.33085	.45042	.12477	.00980	-.00535	.00332	-.29340	.47566	-.61682
1.600	-2.225	-.06546	-.17295	.44637	.06499	.01162	-.00612	.00341	-.15549	.45274	-.34344
1.600	-1.172	-.06529	-.10543	.44451	.04003	.01155	-.00619	.00332	-.09532	.44657	-.21568
1.600	-.118	-.06589	-.03884	.44383	.01611	.01229	-.00654	.00359	-.03793	.44390	-.09544
1.600	.937	-.06568	.02579	.44264	-.00793	.01296	-.00750	.00390	.01855	.44300	.04187
1.600	1.985	-.06517	.08840	.44026	-.03160	.01259	-.00755	.00349	.07319	.44306	.16499
1.600	4.077	-.06718	.20348	.43552	-.08076	.01533	-.00878	.00419	.17200	.44899	.38317
1.600	6.173	-.06625	.32760	.43477	-.12850	.01431	-.00825	.00456	.27995	.46748	.59872
1.600	8.269	-.06595	.44455	.43399	-.17042	.01311	-.00721	.00425	.37753	.49332	.76528
1.600	10.459	-.06568	.57252	.43172	-.21059	.01275	-.00693	.00429	.48464	.52848	.91705
	GRADIENT	-.00028	.06159	-.00162	-.02345	.00056	-.00039	.00008	.05379	-.00295	.11628

RUN NO. 9/ 9 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
2.000	-10.018	-.06762	-.70564	.41765	.27697	.01320	-.00598	.00288	-.62225	.53401	-1.16524
2.000	-7.939	-.06793	-.55369	.41980	.21409	.01284	-.00527	.00333	-.49167	.48330	-1.01732
2.000	-5.839	-.06751	-.40724	.40417	.15595	.01243	-.00516	.00357	-.36404	.44348	-.82087
2.000	-4.054	-.06734	-.30008	.39906	.11579	.01195	-.00475	.00346	-.27112	.41928	-.64665
2.000	-1.650	-.06784	-.16241	.39619	.06766	.01315	-.00569	.00383	-.15089	.40072	-.37654
2.000	-.629	-.06893	-.11286	.39309	.05132	.01443	-.00622	.00358	-.10856	.39430	-.27533
2.000	.436	-.06936	-.05002	.39175	.02957	.01490	-.00639	.00393	-.05300	.39135	-.13542
2.000	1.472	-.06805	.00215	.38963	.01038	.01291	-.00526	.00333	-.00787	.38955	-.02019
2.000	2.515	-.06977	.05996	.38722	-.01074	.01500	-.00617	.00367	.04192	.38944	.10764
2.000	4.606	-.07021	.17068	.38426	-.05836	.01534	-.00600	.00379	.13947	.39574	.35153
2.000	6.694	-.06836	.29422	.38635	-.10975	.01321	-.00500	.00339	.24718	.41801	.59132
2.000	8.810	-.06767	.42401	.38531	-.15739	.01171	-.00398	.00360	.35999	.44570	.80779
2.000	11.021	-.06935	.55521	.38308	-.19783	.01353	-.00449	.00426	.47174	.48216	.97839
	GRADIENT	-.00032	.05418	-.00178	-.01993	.00035	-.00011	.00001	.04724	-.00267	.11566

UPWT 1088/1119 (IA-44) CONFIGURATION 02/T4/S7 (RH8015) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = -8.000
ELV-LI = 8.000 ELV-RI = 8.000
ELV-RO = -8.000 RUDDER = .000
SPOBRK = .000 DOFLAP = .000

RUN NO. 9/ 9 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
2.500	-10.925	-.01644	-.68535	.37475	.26926	-.00280	.00071	-.00154	-.60190	.49785	-1.20898
2.500	-8.835	-.01724	-.55715	.36347	.21557	-.00167	.00502	-.00136	-.49471	.44473	-1.11238
2.500	-6.755	-.01504	-.43551	.35474	.16560	-.00461	.00176	-.00149	-.39075	.40350	-.96840
2.500	-4.655	-.01604	-.31799	.34992	.12171	-.00412	.00146	-.00105	-.28856	.37457	-.77038
2.500	-2.580	-.01449	-.21521	.34619	.09015	-.00515	.00221	-.00161	-.19941	.35552	-.56090
2.500	-1.532	-.01655	-.16369	.34533	.07589	-.00272	.00059	-.00071	-.15440	.34959	-.44166
2.500	-.499	-.01690	-.12156	.34282	.06591	-.00239	.00029	-.00098	-.11857	.34387	-.34481
2.500	.542	-.01747	-.07186	.34033	.05246	-.00081	-.00076	-.00078	-.07507	.33964	-.22104
2.500	1.582	-.01873	-.02480	.33757	.03755	.00079	-.00130	-.00048	-.03411	.33676	-.10129
2.500	3.648	-.01852	.06885	.33302	.00414	.00152	-.00228	-.00067	.04753	.33672	.14115
2.500	5.718	-.01835	.16952	.32923	-.03422	.00135	-.00220	-.00112	.13587	.34448	.39442
2.500	7.809	-.01916	.29082	.32690	-.08317	.00244	-.00297	-.00069	.24344	.36537	.66628
2.500	9.891	-.02045	.40900	.32431	-.12836	.00419	-.00405	-.00071	.34622	.38957	.88873
	GRADIENT	-.00044	.04633	-.00206	-.01374	.00089	-.00054	.00009	.04023	-.00455	.10976

RUN NO. 9/ 9 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
2.860	-10.617	-.01801	-.54572	.35235	.25216	-.00099	.00000	-.00090	-.56974	.46529	-1.22450
2.860	-8.553	-.01741	-.43560	.34319	.21106	-.00121	-.00052	-.00128	-.47860	.41903	-1.14217
2.860	-6.471	-.01773	-.42723	.33367	.17428	-.00135	-.00016	-.00128	-.38690	.37959	-1.01899
2.860	-4.389	-.01845	-.31173	.32389	.13379	-.00078	-.00017	-.00118	-.28605	.34698	-.82477
2.860	-2.331	-.01801	-.21553	.31569	.10218	-.00199	.00054	-.00154	-.20251	.32419	-.62467
2.860	-1.296	-.01909	-.16624	.31469	.08719	.00002	-.00044	-.00099	-.15908	.31837	-.49958
2.860	-.253	-.02026	-.12045	.31314	.07357	.00241	-.00183	-.00051	-.11907	.31365	-.37960
2.860	.771	-.01994	-.07943	.30983	.05183	.00209	-.00238	-.00054	-.08359	.30874	-.27075
2.860	1.795	-.02036	-.04004	.30554	.04837	.00337	-.00259	-.00091	-.04962	.30514	-.16261
2.860	3.861	-.02074	.04946	.30306	.01552	.00385	-.00265	-.00069	.02894	.30570	.09465
2.860	5.927	-.02137	.14830	.29955	-.02207	.00531	-.00365	-.00051	.11658	.31326	.37215
2.860	7.999	-.02196	.25663	.29702	-.05429	.00545	-.00465	-.00039	.21280	.32994	.64517
2.860	10.073	-.02187	.36908	.29241	-.10718	.00655	-.00519	-.00001	.31225	.35246	.88591
	GRADIENT	-.00034	.04346	-.00246	-.01399	.00074	-.00042	.00009	.03789	-.00490	.11152

UPWT 1089/1119 (IA-44) CONFIGURATION 02/T4/S7 (RH9015) (05 JAN 75)

REFERENCE DATA

SREF = 2890.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 490.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA =	.000	ELV-LO =	-8.000
ELV-LI =	8.000	ELV-RI =	8.000
ELV-RO =	-8.000	RUDDER =	.000
SPOIL =	.000	BDFLAP =	.000

RUN NO. 9/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
3.900	-10.535	-.01812	-.54620	.29989	.21216	.00022	-.00160	-.00134	-.48216	.39470	-1.22158
3.900	-8.492	-.01828	-.46997	.28910	.18875	.00029	-.00165	-.00195	-.42212	.35534	-1.18794
3.900	-6.457	-.01951	-.39282	.27729	.16741	.00262	-.00282	-.00164	-.35915	.31971	-1.12336
3.900	-4.405	-.01957	-.31248	.26592	.14155	.00223	-.00244	-.00192	-.29112	.28914	-1.00588
3.900	-2.366	-.01992	-.23370	.25749	.11690	.00230	-.00218	-.00195	-.22287	.26692	-.83497
3.900	-1.345	-.01997	-.19515	.25353	.10506	.00263	-.00236	-.00199	-.19015	.25907	-.73682
3.900	-.319	-.02070	-.15360	.25151	.09151	.00435	-.00318	-.00153	-.15229	.25236	-.60312
3.900	.699	-.02097	-.11586	.24813	.08011	.00519	-.00359	-.00154	-.11887	.24670	-.48185
3.900	1.722	-.02065	-.07969	.24554	.06900	.00507	-.00373	-.00162	-.08704	.24303	-.35813
3.900	3.756	-.02129	-.00437	.24130	.04435	.00504	-.00389	-.00130	-.02017	.24049	-.08387
3.900	5.798	-.02200	.07677	.23673	.01551	.00798	-.00494	-.00130	.05245	.24327	.21557
3.900	7.842	-.02251	.16268	.23225	-.01648	.00796	-.00473	-.00139	.12947	.25228	.51318
3.900	9.889	-.02195	.24584	.22759	-.04586	.00574	-.00339	-.00165	.20311	.26642	.76235
	GRADIENT	-.00022	.03781	-.00298	-.01198	.00754	-.00024	.00009	.03328	-.00592	.11432

RUN NO. 9/ 0 RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
4.600	-9.906	-.01857	-.52219	.28444	.20121	.00097	-.00206	-.00193	-.46548	.37003	-1.25795
4.600	-7.869	-.01883	-.44378	.27149	.17885	.00098	-.00185	-.00196	-.40243	.32959	-1.22065
4.600	-5.833	-.01917	-.37248	.25910	.15842	.00101	-.00153	-.00266	-.34432	.29452	-1.16858
4.600	-3.806	-.02049	-.29350	.24690	.13371	.00502	-.00399	-.00155	-.27646	.26594	-1.03996
4.600	-1.778	-.02033	-.22507	.23541	.11367	.00440	-.00374	-.00193	-.21766	.24228	-.89839
4.600	-.769	-.02111	-.18502	.23091	.10059	.00655	-.00455	-.00149	-.18190	.23338	-.77944
4.600	.245	-.02010	-.15508	.22617	.09235	.00462	-.00401	-.00241	-.15605	.22551	-.69198
4.600	1.266	-.02063	-.11670	.22277	.09145	.00569	-.00408	-.00211	-.12159	.22014	-.55234
4.600	2.297	-.02095	-.07842	.22050	.07908	.00671	-.00447	-.00183	-.08716	.21719	-.40135
4.600	4.310	-.02092	-.01027	.21474	.04910	.00777	-.00566	-.00196	-.02638	.21336	-.12364
4.600	6.328	-.02124	.06571	.20978	.02222	.00933	-.00565	-.00163	.04229	.21475	.19694
4.600	8.369	-.02159	.14359	.20272	-.00500	.00931	-.00551	-.00187	.11255	.22146	.50822
4.600	10.400	-.02156	.22354	.19756	-.03577	.00713	-.00473	-.00201	.19421	.23467	.79498
	GRADIENT	-.00005	.03506	-.00391	-.01043	.00035	-.00018	-.00005	.03100	-.00643	.11454

UPWT 1089/1119 (IA-44) CONFIGURATION 02/T4/S7 (RH9016) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = -4.000
ELV-LI = 8.000 ELV-RI = 8.000
ELV-RO = -4.000 RUDDER = .000
SPOIR = .000 DEFLAP = .000

RUN NO. 0/ 0 RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
1.600	-10.637	-.06789	-.76897	.46665	.29542	.01400	-.00079	.00195	-.66982	.60057	-1.11498
1.600	-8.535	-.06964	-.59398	.46516	.22363	.01519	-.00552	.00216	-.51837	.54816	-.94565
1.600	-6.422	-.06768	-.44103	.45930	.16517	.01411	-.00707	.00230	-.38588	.50575	-.76497
1.600	-4.630	-.06745	-.32050	.45434	.11999	.01496	-.00824	.00258	-.28277	.47873	-.59057
1.600	-2.221	-.06755	-.16438	.45119	.06140	.01515	-.00836	.00279	-.14677	.45723	-.32099
1.600	-1.168	-.06641	-.10149	.44908	.03912	.01297	-.00695	.00199	-.09231	.45105	-.20456
1.600	-.114	-.06540	-.03382	.44761	.01424	.01366	-.00768	.00220	-.03293	.44768	-.07356
1.600	.944	-.06789	.03149	.44771	-.01020	.01573	-.00879	.00235	.02411	.44816	.05380
1.600	1.988	-.06642	.08847	.44531	-.03188	.01451	-.00858	.00197	.07297	.44812	.16283
1.600	4.084	-.06726	.21297	.44082	-.08459	.01616	-.00957	.00271	.18093	.45456	.39777
1.600	6.174	-.06832	.32849	.43947	-.12945	.01703	-.00951	.00367	.27932	.47224	.59148
1.600	8.275	-.06769	.44478	.43879	-.17038	.01584	-.00977	.00288	.37709	.49823	.75668
1.600	10.460	-.07004	.57538	.43723	-.21142	.01819	-.00943	.00380	.48644	.53443	.91020
	GRADIENT	.00004	.06112	-.00148	-.02321	.00013	-.00018	-.00002	.05315	-.00265	.11412

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
2.000	-9.998	-.07123	-.67873	.41911	.26393	.01712	-.00733	.00299	-.59566	.53058	-1.12265
2.000	-7.925	-.06990	-.53624	.41128	.20571	.01347	-.00516	.00254	-.47441	.48129	-.98571
2.000	-5.822	-.06997	-.39170	.40522	.14917	.01547	-.00552	.00333	-.34857	.44287	-.78708
2.000	-4.044	-.07061	-.28366	.40036	.10969	.01508	-.00566	.00361	-.25472	.41937	-.60738
2.000	-1.648	-.06937	-.15188	.39567	.06499	.01537	-.00693	.00308	-.14044	.39997	-.35121
2.000	-.614	-.06894	-.10251	.39280	.04870	.01475	-.00559	.00259	-.09329	.39397	-.24956
2.000	.444	-.07009	-.04159	.39175	.02763	.01604	-.00708	.00314	-.04453	.39142	-.11451
2.000	1.484	-.06944	.01061	.38990	.00888	.01461	-.00650	.00276	.00051	.39005	.00130
2.000	2.528	-.07142	.06533	.38706	-.01223	.01672	-.00671	.00288	.04819	.38957	.12370
2.000	4.620	-.07094	.18081	.38512	-.06197	.01649	-.00669	.00277	.14920	.39844	.37445
2.000	6.703	-.07219	.30403	.38727	-.11179	.01843	-.00767	.00345	.25671	.42013	.61102
2.000	8.811	-.06937	.43359	.38585	-.15933	.01393	-.00496	.00347	.36936	.44772	.82500
2.000	10.998	-.07099	.55375	.38387	-.19492	.01573	-.00551	.00394	.47035	.48245	.97490
	GRADIENT	-.00012	.05333	-.00180	-.01951	.01009	.00092	-.00008	.04638	-.00247	.11350

UPWT 1068/1119 (IA-44) CONFIGURATION 02/T4/S7 (R48016) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP : 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = -4.000
ELV-LI = 8.000 ELV-RI = 8.000
ELV-RO = -4.000 RUDDER = .000
SPOILR = .000 BDFLAP = .000

RUN NO. 0/ 0 RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
2.500	-10.911	-.01729	-.66258	.37955	.25599	-.00154	.00006	-.00068	-.57875	.49811	-1.16190
2.500	-8.899	-.01814	-.52714	.36860	.20199	-.00067	-.00027	-.00050	-.46447	.44497	-1.04382
2.500	-6.722	-.01614	-.40883	.35999	.15367	-.00356	.00114	-.00039	-.36389	.40537	-.89765
2.500	-4.639	-.01775	-.28995	.35489	.10986	-.00216	.00084	-.00016	-.25030	.37717	-.69015
2.500	-2.547	-.01690	-.18585	.35236	.07514	-.00295	.00085	-.00023	-.17002	.36027	-.47193
2.500	-1.516	-.01773	-.13648	.35156	.06187	-.00174	.00031	.00024	-.12713	.35505	-.35806
2.500	-.484	-.01742	-.09671	.34933	.05305	-.00144	-.00021	-.00013	-.09375	.35013	-.26777
2.500	.553	-.01805	-.04822	.34793	.04003	-.00017	-.00094	.00024	-.05157	.34745	-.14843
2.500	1.580	-.01843	-.00435	.34478	.02748	.00048	-.00122	.00005	-.01386	.34453	-.04022
2.500	3.651	-.01960	.08919	.34023	-.00517	.00251	-.00239	.00004	.06732	.34522	.19502
2.500	5.730	-.01957	.19636	.33740	-.04634	.00295	-.00288	-.00017	.16169	.35531	.45505
2.500	7.825	-.02019	.31773	.33797	-.09452	.00342	-.00314	.00037	.26876	.37799	.71104
2.500	9.902	-.01923	.43175	.33190	-.13705	.00234	-.00309	-.00044	.36825	.40120	.91787
	GRADIENT	-.00025	.04525	-.00178	-.01332	.00062	-.00042	.00003	.03905	-.00384	.10908

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
2.860	-10.612	-.01913	-.61887	.35838	.24032	.00046	-.00048	.00001	-.54229	.46623	-1.16314
2.860	-8.539	-.01846	-.50802	.34951	.19834	.00021	-.00105	.00009	-.45049	.42107	-1.06987
2.860	-6.461	-.01839	-.39548	.34055	.15900	-.00052	-.00031	.00008	-.35465	.38289	-.92625
2.860	-4.367	-.01809	-.28575	.33109	.12251	-.00113	-.00015	-.00008	-.25971	.35189	-.73804
2.860	-2.316	-.01974	-.18456	.32398	.09923	.00046	-.00036	.00018	-.17132	.33118	-.51731
2.860	-1.276	-.01959	-.14134	.32133	.07618	.00041	-.00037	-.00016	-.13415	.32440	-.41353
2.860	-.256	-.01939	-.09781	.31952	.06377	.00071	-.00080	-.00001	-.09538	.31995	-.30125
2.860	.797	-.02036	-.05068	.31725	.04949	.00308	-.00237	.00063	-.05509	.31652	-.17405
2.860	1.823	-.02046	-.00977	.31467	.03522	.00308	-.00214	.00048	-.01877	.31424	-.05975
2.860	3.873	-.02117	.07831	.31043	.00311	.00424	-.00266	.00042	.05716	.31501	.18145
2.860	5.946	-.02186	.17842	.30712	-.03544	.00571	-.00359	.00054	.14565	.32395	.44950
2.860	8.001	-.02205	.28092	.30306	-.07558	.00616	-.00421	.00033	.23600	.33921	.69574
2.860	10.088	-.02100	.39705	.29993	-.12023	.00487	-.00417	.00032	.33853	.36395	.93015
	GRADIENT	-.00034	.04393	-.00243	-.01414	.00058	-.00036	.00008	.03813	-.00437	.11158

UPWT 1088/1119 (IA-44) CONFIGURATION 02/T4/S7 (RH8015) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = -4.000
ELV-LI = 8.000 ELV-RI = 8.000
ELV-RO = -4.000 RUDDER = .000
SPOIL = .000 BOFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
3.900	-10.517	-.01901	-.49474	.30872	.18595	.00164	-.00201	.00063	-.43008	.39384	-1.09201
3.900	-8.481	-.01907	-.41997	.29828	.16357	.00126	-.00169	.00007	-.37139	.35696	-1.04040
3.900	-6.437	-.01997	-.34315	.28659	.14207	.00269	-.00225	.00016	-.30985	.32326	-.95544
3.900	-4.381	-.02020	-.26255	.27539	.11078	.00276	-.00218	-.00008	-.24075	.29463	-.81713
3.900	-2.346	-.02048	-.18529	.26706	.09302	.00282	-.00200	-.00002	-.17420	.27443	-.63478
3.900	-1.319	-.02059	-.14602	.26389	.08070	.00316	-.00219	.00001	-.13991	.26718	-.52364
3.900	-.300	-.02132	-.10557	.26197	.06996	.00489	-.00292	.00038	-.10520	.26163	-.40211
3.900	.720	-.02075	-.07039	.25733	.05789	.00390	-.00241	-.00013	-.07352	.25542	-.28711
3.900	1.744	-.02134	-.02952	.25542	.04482	.00552	-.00340	.00023	-.03728	.25440	-.14653
3.900	3.778	-.02146	.04264	.25084	.02124	.00556	-.00320	.00024	.02601	.25311	.10278
3.900	5.819	-.02223	.12553	.24688	-.00765	.00750	-.00419	.00032	.09995	.25833	.38651
3.900	7.866	-.02268	.21148	.24237	-.03998	.00755	-.00406	.00030	.17632	.26903	.65541
3.900	9.906	-.02228	.29786	.23835	-.07037	.00581	-.00299	.00005	.25241	.29504	.88243
	GRADIENT	-.00016	.03752	-.00299	-.01170	.00042	-.00017	.00004	.03284	-.00506	.11418

RUN NO. 0/ 0 RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
4.600	-9.825	-.01880	-.46051	.29824	.17230	.00048	-.00108	.00025	-.40241	.37295	-1.07901
4.600	-7.857	-.01851	-.38899	.28491	.15281	-.00125	.00016	-.00030	-.34639	.33542	-1.03270
4.600	-5.825	-.01910	-.31724	.27203	.13274	-.00008	-.00038	-.00063	-.28600	.30282	-.95105
4.600	-3.793	-.01904	-.24699	.25958	.11160	-.00014	-.00063	-.00098	-.22928	.27535	-.83266
4.600	-1.760	-.01972	-.17442	.24969	.08996	.00157	-.00157	-.00061	-.16570	.25393	-.65250
4.600	-.747	-.02043	-.13233	.24448	.07593	.00372	-.00259	-.00016	-.12913	.24619	-.52454
4.600	.272	-.02069	-.09409	.24110	.06465	.00473	-.00308	.00012	-.09523	.24055	-.39573
4.600	1.278	-.02108	-.05574	.23757	.05370	.00575	-.00336	.00040	-.06103	.23626	-.25831
4.600	2.304	-.02073	-.01970	.23427	.04269	.00508	-.00294	.00006	-.02911	.23329	-.12476
4.600	4.336	-.02076	.04831	.22904	.02225	.00611	-.00403	.00013	.03086	.23204	.13299
4.600	6.355	-.02101	.12213	.22304	-.00328	.00654	-.00410	.00017	.09659	.23518	.41112
4.600	8.389	-.02091	.19579	.21623	-.03018	.00545	-.00343	-.00036	.16215	.24248	.66872
4.600	10.421	-.02134	.28347	.21214	-.06324	.00544	-.00329	-.00011	.24042	.25992	.92500
	GRADIENT	-.00022	.03673	-.00370	-.01111	.00080	-.00048	.00015	.03243	-.00525	.12159

ORIGINAL PAGE IS
OF POOR QUALITY

UPWT 1088/1119 (IA-44) CONFIGURATION 02/T4/S7 (RH8017) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = 4.000 ELV-RI = 4.000
ELV-RO = .000 RUDDER = .000
SPDBRK = .000 BOFLAP = .000

RUN NO. 9/ 9 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
1.600	-10.635	-.06497	-.77539	.46309	.29092	.01099	-.00586	.00108	-.67661	.59923	-1.13103
1.600	-8.537	-.06420	-.60601	.46148	.22849	.01010	-.00549	.00128	-.53079	.54633	-.97155
1.600	-6.429	-.06585	-.44580	.45599	.16595	.01380	-.00743	.00213	-.39203	.50288	-.77957
1.600	-4.621	-.06534	-.32116	.45140	.11998	.01150	-.00609	.00183	-.28376	.47580	-.59637
1.600	-2.222	-.06314	-.17056	.44832	.06414	.00873	-.00490	.00111	-.15305	.45459	-.33668
1.600	-1.171	-.06469	-.10405	.44760	.03976	.01081	-.00586	.00159	-.09488	.44964	-.21101
1.600	-.105	-.06440	-.03364	.44538	.01451	.01073	-.00603	.00167	-.03282	.44644	-.07351
1.600	.935	-.06525	.02520	.44539	-.00734	.01199	-.00676	.00158	.01793	.44574	.04023
1.600	1.988	-.06605	.08789	.44404	-.03082	.01349	-.00780	.00199	.07243	.44692	.16211
1.600	4.087	-.06376	.20892	.43871	-.09196	.01135	-.00717	.00177	.17713	.45248	.39146
1.600	6.171	-.06565	.32550	.43772	-.12710	.01335	-.00767	.00212	.27657	.47017	.58822
1.600	8.278	-.06447	.44990	.43343	-.17079	.01185	-.00695	.00214	.38208	.49864	.76626
1.600	10.460	-.06277	.57314	.43584	-.20939	.00933	-.00531	.00192	.48649	.53282	.91306
	GRADIENT	.00000	.06102	-.00135	-.02304	.00022	-.00024	.00003	.05310	-.00255	.11462

RUN NO. 9/ 9 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
2.000	-10.025	-.06582	-.70268	.42042	.27292	.01023	-.00415	.00127	-.61876	.53633	-1.15370
2.000	-7.951	-.06779	-.55285	.41410	.21053	.01168	-.00449	.00171	-.49026	.48659	-1.00755
2.000	-5.841	-.06636	-.40569	.40662	.15167	.01022	-.00359	.00148	-.36221	.44589	-.81249
2.000	-4.054	-.06546	-.29920	.40256	.11216	.00927	-.00331	.00173	-.25999	.42271	-.63671
2.000	-1.665	-.06507	-.15227	.39945	.06562	.00973	-.00330	.00157	-.15059	.40309	-.37276
2.000	-.620	-.06566	-.10875	.39712	.04756	.01045	-.00363	.00160	-.10445	.39828	-.26225
2.000	.428	-.06545	-.05263	.39469	.02862	.01051	-.00401	.00138	-.05558	.39428	-.14095
2.000	1.474	-.06779	.00136	.39276	.00938	.01100	-.00413	.00120	-.00874	.39265	-.02227
2.000	2.524	-.06693	.06222	.39068	-.01348	.01048	-.00353	.00137	.04495	.39304	.11438
2.000	4.605	-.06612	.17407	.38793	-.06103	.01024	-.00371	.00076	.14236	.40065	.35533
2.000	6.699	-.06654	.29846	.39029	-.11262	.01053	-.00386	.00147	.25090	.42244	.59392
2.000	8.797	-.06561	.42734	.38869	-.15909	.00980	-.00234	.00155	.36287	.44947	.80732
2.000	10.995	-.06545	.55237	.38608	-.19579	.00844	-.00235	.00137	.45867	.48427	.96779
	GRADIENT	-.00012	.05438	-.00178	-.01970	.00015	-.00006	-.00011	.04737	-.00263	.11500

UPWT 1088/1119 (IA-44) CONFIGURATION 02/T4/S7 (RH8017) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = 4.000 ELV-RI = 4.000
ELV-RO = .000 RUDDER = .000
SPOIRK = .000 BOFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
2.500	-10.922	-.01424	-.66800	.37934	.25949	-.00534	.00132	-.00165	-.58402	.49903	-1.17031
2.500	-8.812	-.01501	-.53174	.36898	.20474	-.00450	.00114	-.00102	-.46894	.44608	-1.05125
2.500	-6.728	-.01394	-.41365	.35938	.15671	-.00691	.00264	-.00125	-.36869	.40536	-.90954
2.500	-4.639	-.01439	-.29119	.35565	.11030	-.00631	.00240	-.00080	-.26147	.37804	-.69164
2.500	-2.564	-.01525	-.19254	.35235	.07982	-.00518	.00181	-.00097	-.17659	.36061	-.48957
2.500	-1.523	-.01708	-.14099	.35203	.06492	-.00239	.00043	-.00022	-.13159	.35566	-.36999
2.500	-.497	-.01812	-.09339	.35042	.05354	-.00047	-.00066	.00000	-.09040	.35120	-.25741
2.500	.551	-.01741	-.05140	.34855	.04273	-.00091	-.00083	-.00002	-.05475	.34804	-.15732
2.500	1.593	-.01799	-.00863	.34446	.03036	-.00014	-.00093	-.00045	-.01820	.34409	-.05291
2.500	3.655	-.01993	.08698	.34011	-.00396	.00314	-.00280	-.00012	.06512	.34496	.18878
2.500	5.736	-.02071	.19335	.33797	-.04482	.00453	-.00361	-.00010	.15962	.35560	.44901
2.500	7.821	-.02320	.31263	.33785	-.09254	.00753	-.00497	.00085	.26375	.37725	.69914
2.500	9.911	-.02350	.43287	.33335	-.13947	.00773	-.00522	.00041	.36904	.40289	.91599
	GRADIENT	-.00064	.04522	-.00197	-.01333	.00114	-.00063	.00007	.03902	-.00397	.10577

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
2.860	-10.613	-.01379	-.62557	.35944	.24317	-.00722	.00274	-.00095	-.54885	.46753	-1.17394
2.860	-8.545	-.01523	-.51821	.34920	.20334	-.00434	.00079	-.00091	-.46058	.42232	-1.09058
2.860	-6.454	-.01655	-.39975	.34207	.16174	-.00276	.00022	-.00005	-.35877	.38483	-.93227
2.860	-4.382	-.01646	-.29338	.33142	.12500	-.00325	.00057	-.00059	-.26720	.35287	-.75721
2.860	-2.306	-.01863	-.18778	.32442	.09071	-.00093	.00028	-.00010	-.17458	.33171	-.52629
2.860	-1.276	-.01897	-.14341	.32194	.07759	-.00063	.00017	-.00029	-.13621	.32505	-.41904
2.860	-.244	-.01975	-.10125	.32029	.06555	.00107	-.00083	.00002	-.09998	.32072	-.31142
2.860	.789	-.02033	-.05672	.31712	.05185	.00274	-.00252	.00033	-.05108	.31631	-.19319
2.860	1.820	-.02150	-.01125	.31497	.03611	.00447	-.00264	.00071	-.02125	.31445	-.06756
2.860	3.867	-.02163	.07212	.30994	.00568	.00492	-.00297	.00031	.05105	.31419	.16253
2.860	5.939	-.02358	.17561	.30734	-.03443	.00813	-.00457	.00091	.14287	.32387	.44113
2.860	8.012	-.02456	.28387	.30411	-.07746	.00995	-.00595	.00125	.23971	.34071	.70364
2.860	10.085	-.02387	.39372	.30034	-.11893	.00908	-.00595	.00094	.33505	.36464	.91885
	GRADIENT	-.00063	.04391	-.00253	-.01423	.00108	-.00051	.00013	.03821	-.00458	.11133

UPWT 1088/1119 (IA-44) CONFIGURATION 2e/T4/S7 (RH8917) (03 JAN 75)

REFERENCE DATA

SREF = 2695.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = 4.000 ELV-RI = 4.000
ELV-RO = .000 RUDDER = .000
SPDBRK = .000 SDFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
3.900	-10.520	-.01643	-.50106	.30884	.18748	-.00427	.00123	-.00027	-.43684	.39524	-1.10526
3.900	-8.485	-.01721	-.42431	.29949	.16445	-.00284	.00047	-.00079	-.37563	.35783	-1.04974
3.900	-6.439	-.01821	-.34936	.28601	.14357	-.00096	-.00049	-.00072	-.31508	.32339	-.97432
3.900	-4.392	-.01925	-.26254	.27592	.11568	.00049	-.00088	-.00033	-.24064	.29522	-.81511
3.900	-2.355	-.02051	-.18540	.26815	.09188	.00239	-.00146	-.00004	-.17423	.27555	-.63229
3.900	-1.330	-.02049	-.15086	.26468	.08194	.00270	-.00171	-.00017	-.14468	.26811	-.53952
3.900	-.311	-.02008	-.11314	.26099	.07016	.00216	-.00149	-.00059	-.11172	.26160	-.42707
3.900	.714	-.02172	-.06902	.25905	.05624	.00572	-.00316	.00038	-.07224	.25817	-.27982
3.900	1.737	-.02085	-.03759	.25590	.04747	.00426	-.00251	-.00040	-.04533	.25465	-.17802
3.900	3.777	-.02233	.04089	.25252	.02162	.00704	-.00358	.00051	.02417	.25466	.09489
3.900	5.817	-.02256	.11743	.24735	-.00465	.00753	-.00377	-.00004	.09175	.25799	.35565
3.900	7.859	-.02337	.20639	.24282	-.03962	.00907	-.00369	-.00002	.17125	.26876	.63718
3.900	9.899	-.02349	.29115	.23910	-.06948	.00723	-.00296	.00005	.24571	.28560	.86032
	GRADIENT	-.00033	.03709	-.00288	-.01144	.00077	-.00033	.00007	.03239	-.00499	.11208

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
4.600	-9.884	-.01690	-.45486	.30051	.17431	-.00424	.00099	-.00014	-.40637	.37585	-1.08122
4.600	-7.870	-.01782	-.38913	.28782	.15280	-.00302	.00088	-.00025	-.34605	.33839	-1.02266
4.600	-5.827	-.01789	-.32227	.27452	.13469	-.00304	.00088	-.00106	-.29273	.30582	-.95720
4.600	-3.795	-.01909	-.24796	.26280	.11266	-.00015	-.00051	-.00050	-.23002	.27864	-.82553
4.600	-1.774	-.01948	-.18014	.25107	.09165	.00096	-.00128	-.00075	-.17228	.25653	-.67158
4.600	-.752	-.01897	-.14418	.24577	.08096	-.00037	-.00048	-.00133	-.14095	.24764	-.56916
4.600	.275	-.01959	-.10601	.24231	.06971	.00180	-.00150	-.00068	-.10717	.24180	-.44323
4.600	1.285	-.02092	-.05973	.24004	.05545	.00516	-.00297	.00026	-.06510	.23864	-.27281
4.600	2.301	-.02034	-.02997	.23598	.04706	.00385	-.00228	-.00050	-.03932	.23459	-.16760
4.600	4.327	-.02072	.03792	.23065	.02632	.00552	-.00342	-.00029	.02041	.23285	.08766
4.600	6.359	-.02150	.11742	.22479	-.00214	.00722	-.00392	.00023	.09180	.23641	.38831
4.600	8.384	-.02137	.18991	.21831	-.02764	.00550	-.00269	-.00061	.15516	.24353	.63713
4.600	10.412	-.02224	.27441	.21380	-.05979	.00664	-.00298	.00010	.23126	.25997	.88998
	GRADIENT	-.00024	.03582	-.00386	-.01078	.00080	-.00038	.00007	.03148	-.00553	.11616

ORIGINAL PAGE IS
OF POOR QUALITY

UPWT 1088/1119 (IA-44) CONFIGURATION T4 (RH8018) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 TANK = 1.000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
2.860	-10.116	-.00105	-.17121	.14097	.02272	.00518	-.00302	.00037	-.14379	.16885	-.85158
2.860	-8.098	-.00049	-.13462	.13771	.01643	.00446	-.00306	.00007	-.11388	.15530	-.73332
2.860	-6.072	-.00029	-.10007	.13482	.01277	.00376	-.00275	-.00001	-.08525	.14465	-.58934
2.860	-4.051	.00005	-.07003	.13230	.01102	.00307	-.00235	-.00019	-.06051	.13692	-.44190
2.860	-2.027	.00012	-.03737	.13169	.00986	.00272	-.00198	-.00004	-.03269	.13293	-.24595
2.860	-1.019	.00069	-.02866	.13042	.01159	.00156	-.00162	-.00024	-.02633	.13091	-.20115
2.860	.004	-.00064	-.00972	.13139	.01114	.00333	-.00209	-.00001	-.00973	.13138	-.07403
2.860	1.006	.00026	.00009	.12968	.01238	.00183	-.00178	-.00015	-.00219	.12966	-.01689
2.860	2.026	.00039	.01217	.12908	.01305	.00132	-.00160	-.00024	.00760	.12943	.05872
2.860	4.045	.00042	.04041	.12793	.01428	.00128	-.00149	-.00026	.03128	.13046	.23980
2.860	6.070	.00058	.07297	.12750	.01296	.00061	-.00091	-.00022	.05908	.13450	.43922
2.860	8.096	.00096	.10482	.12733	.01161	.00007	-.00092	-.00024	.08584	.14083	.60954
2.860	10.128	.00090	.14575	.12873	.00675	.00019	-.00091	-.00016	.12084	.15236	.79311
	GRADIENT	.00004	.01340	-.00055	.00048	-.00023	.00009	-.00001	.01110	-.00080	.08281

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
4.600	-9.478	-.00143	-.13390	.10915	.01087	.00713	-.00289	.00017	-.11410	.12971	-.87963
4.600	-7.469	-.00134	-.10497	.10696	.00792	.00590	-.00213	.00005	-.09018	.11969	-.75340
4.600	-5.454	-.00094	-.07771	.10456	.00643	.00462	-.00187	-.00009	-.06744	.11128	-.60604
4.600	-3.441	-.00091	-.04665	.10267	.00416	.00499	-.00209	-.00013	-.04042	.10528	-.38390
4.600	-1.435	-.00059	-.02107	.10061	.00433	.00479	-.00226	-.00009	-.01855	.10110	-.18345
4.600	-.421	-.00091	-.00693	.10044	.00413	.00550	-.00266	.00003	-.00609	.10048	-.06063
4.600	.577	-.00034	.00162	.09820	.00507	.00351	-.00205	-.00021	.00063	.09821	.00640
4.600	1.595	-.00069	.01951	.09757	.00325	.00371	-.00191	-.00010	.01679	.09809	.17117
4.600	2.603	-.00015	.02608	.09598	.00466	.00223	-.00174	-.00035	.02170	.09707	.22352
4.600	4.608	-.00009	.05165	.09595	.00486	.00207	-.00151	-.00029	.04378	.09979	.43870
4.600	6.619	-.00006	.08083	.09623	.00308	.00243	-.00173	-.00024	.06920	.10491	.65961
	GRADIENT	.00010	.01215	-.00092	.00006	-.00041	.00010	-.00003	.01041	-.00077	.10254

UPWT 1088/1119 (IA-44) CONFIGURATION T4 (RH8019) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

ALPHA = .000 TANK = 1.000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
2.860	-10.133	-.00082	-.01877	.13289	.01321	.16606	-.00861	.00062	-.01877	.13289	-.14120
2.860	-8.118	-.00128	-.01577	.13226	.01241	.12500	-.00238	.00039	-.01577	.13226	-.11925
2.860	-6.082	-.00638	-.01395	.13148	.01186	.08941	.00085	.00024	-.01394	.13148	-.10601
2.860	-4.052	-.00952	-.01331	.13045	.01147	.05790	.00028	.00006	-.01329	.13045	-.10190
2.860	-2.010	-.01070	-.01376	.12999	.01184	.02896	-.00072	-.00006	-.01374	.12999	-.10570
2.860	.001	-.01191	-.01314	.13062	.01178	.00136	-.00171	-.00017	-.01311	.13063	-.10036
2.860	2.013	-.01190	-.01148	.13074	.01082	-.02495	-.00527	-.00029	-.01145	.13074	-.08760
2.860	4.045	-.01403	-.01202	.13106	.01081	-.05385	-.00415	-.00057	-.01199	.13106	-.09149
2.860	6.094	-.01172	-.01144	.13212	.01032	-.08534	-.00359	-.00078	-.01141	.13212	-.08635
2.860	8.124	-.01023	-.01077	.13241	.01011	-.12083	.00007	-.00097	-.01074	.13241	-.08113
2.860	10.241	-.00123	-.01127	.13131	.00934	-.16567	.00768	-.00132	-.01127	.13131	-.08579
	GRADIENT	-.00051	.00024	.00010	-.00012	-.01372	-.00056	-.00007	.00024	.00010	.00192

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
4.600	-10.066	.59030	.00226	.10184	.00370	.14553	-.00764	.00030	.00123	.10185	.01204
4.600	-8.067	.57594	.00283	.10087	.00333	.11376	-.00340	.00009	.00181	.10089	.01799
4.600	-6.063	.57291	.00160	.10030	.00408	.08360	-.00106	-.00003	.00059	.10032	.00590
4.600	-4.011	.57891	.00221	.09893	.00432	.05605	-.00025	-.00017	.00121	.09894	.01222
4.600	-1.999	.57706	.00290	.09974	.00442	.02798	-.00050	-.00015	.00190	.09876	.01928
4.600	.000	.57439	-.00032	.09789	.00559	.00297	-.00181	-.00039	-.00130	.09788	-.01325
4.600	1.982	.58041	.00404	.09911	.00444	-.02248	-.00258	-.00046	.00304	.09914	.03066
4.600	4.058	.58621	.00462	.09845	.00429	-.04893	-.00305	-.00052	.00362	.09849	.03670
4.600	6.056	.58552	.00511	.09890	.00353	-.07754	-.00134	-.00056	.00410	.09895	.04144
4.600	8.091	.58645	.00746	.09995	.00196	-.10772	.00119	-.00077	.00645	.09903	.05515
4.600	10.171	.58919	.00988	.09971	.00090	-.13937	.00546	-.00088	.00885	.09991	.08870
	GRADIENT	.00090	.00030	-.00003	-.00000	-.01294	-.00040	-.00005	.00030	-.00003	.00300

ORIGINAL PAGE IS
OF POOR QUALITY

UPWT 1088/1119 (IA-44) CONFIGURATION 02/T4 (RH8020) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPORK = .000 SOFLAP = .000

RUN NO. 0/ 0 RNVL = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
2.500	-10.702	-.00050	-.43382	.28893	.21037	-.00168	.00193	-.00042	-.37262	.36446	-1.02239
2.500	-8.648	.00201	-.34703	.28314	.17244	-.00318	.00157	-.00034	-.30051	.33210	-.90490
2.500	-6.581	.00253	-.26950	.27661	.13776	-.00313	.00134	-.00042	-.23602	.30567	-.77214
2.500	-4.536	.00342	-.19845	.27063	.10716	-.00381	.00109	-.00059	-.17642	.28548	-.61799
2.500	-2.502	.00302	-.13194	.26526	.07846	-.00334	.00070	-.00073	-.12023	.27077	-.44404
2.500	-1.463	.00147	-.09415	.26349	.06209	-.00118	-.00031	-.00012	-.09739	.26580	-.32877
2.500	-.450	.00238	-.06285	.26129	.04935	-.00202	-.00023	-.00038	-.06080	.25177	-.23225
2.500	.567	.00408	-.03651	.25795	.03704	-.00403	.00052	-.00102	-.03905	.25758	-.15164
2.500	1.601	.00304	.00016	.25683	.02159	-.00247	-.00033	-.00040	-.00702	.25673	-.02735
2.500	3.649	.00273	.07323	.25245	-.01102	-.00173	-.00113	-.00026	.05701	.25661	.22216
2.500	5.697	.00423	.13501	.24790	-.03834	-.00421	.00007	-.00119	.10978	.26006	.42213
2.500	7.739	.00214	.20645	.24573	-.06866	-.00133	-.00121	-.00062	.17148	.27129	.63209
2.500	9.794	.00082	.27514	.24226	-.09610	-.00017	-.00125	-.00079	.22992	.28553	.80522
	GRADIENT	-.00000	.03278	-.00221	-.01423	.00017	-.00024	.00003	.02812	-.00353	.10172

RUN NO. 0/ 0 RNVL = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
2.860	-10.448	-.00103	-.41769	.27748	.19733	-.00134	.00211	-.00036	-.36044	.34862	-1.03389
2.860	-8.400	-.00005	-.34124	.27217	.16658	-.00166	.00179	-.00020	-.29782	.31911	-.93329
2.860	-6.347	.00026	-.26693	.26469	.13673	-.00128	.00139	-.00004	-.23603	.29257	-.80675
2.860	-4.296	-.00032	-.20097	.25662	.10946	-.00069	.00111	-.00005	-.18119	.27025	-.66869
2.860	-2.259	-.00059	-.13434	.24979	.08127	-.00021	.00058	.00006	-.12439	.25489	-.48800
2.860	-1.243	-.00059	-.10414	.24694	.06871	.00017	.00014	.00014	-.09876	.24914	-.39639
2.860	-.231	.00014	-.07731	.24392	.05768	-.00074	.00042	-.00025	-.07632	.24423	-.31251
2.860	.791	.00007	-.04597	.24161	.04477	-.00035	.00004	-.00010	-.04930	.24095	-.20462
2.860	1.821	.00009	-.01349	.23952	.03181	-.00026	-.00008	-.00008	-.02109	.23897	-.08826
2.860	3.853	-.00033	.04901	.23486	.00552	.00054	-.00082	-.00003	.03312	.23762	.13936
2.860	5.901	-.00050	.11590	.23079	-.02307	.00072	-.00109	-.00024	.09157	.24139	.37934
2.860	7.939	-.00112	.18113	.22784	-.05048	.00127	-.00194	-.00035	.14793	.25067	.59011
2.860	9.982	-.00151	.24773	.22504	-.07771	.00210	-.00155	-.00009	.20497	.26458	.77471
	GRADIENT	.00005	.03039	-.00254	-.01258	.00010	-.00021	-.00001	.02602	-.00405	.09871

UPWT 1088/1119 (IA-44) CONFIGURATION 02/T4 (RH8020) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPOBRK = .000 BDFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
3.900	-10.429	-.00232	-.33276	.23869	.13742	.00101	.00139	.00038	-.28405	.29498	-.96295
3.900	-8.399	-.00219	-.27971	.23341	.12047	.00182	.00074	.00069	-.24261	.27176	-.89274
3.900	-6.377	-.00228	-.22481	.22646	.10266	.00226	.00083	.00084	-.19826	.25003	-.79295
3.900	-4.348	-.00201	-.17351	.21500	.08313	.00162	.00089	.00019	-.15671	.22753	-.68873
3.900	-2.319	-.00246	-.12131	.20591	.06447	.00262	.00003	.00022	-.11288	.21065	-.53596
3.900	-1.301	-.00335	-.09191	.20280	.05397	.00442	-.00092	.00073	-.08728	.20483	-.42611
3.900	-.295	-.00246	-.06997	.19917	.04590	.00276	-.00015	.00018	-.06894	.19952	-.34553
3.900	.721	-.00252	-.04500	.19679	.03760	.00326	-.00064	.00023	-.04747	.19521	-.24192
3.900	1.741	-.00238	-.01994	.19512	.02975	.00378	-.00073	.00043	-.02586	.19442	-.13299
3.900	3.760	-.00248	.02673	.19056	.01303	.00306	-.00079	-.00021	.01418	.19190	.07388
3.900	5.789	-.00250	.07937	.18537	-.00743	.00318	-.00124	-.00015	.06026	.19243	.31317
3.900	7.816	-.00160	.13259	.18173	-.02894	.00120	-.00016	-.00074	.10665	.19907	.53843
3.900	9.845	-.00230	.19629	.18101	-.05395	.00267	-.00083	-.00021	.16244	.21191	.76657
	GRADIENT	-.00004	.02468	-.00294	-.00860	.00016	-.00019	-.00004	.02108	-.00431	.09490

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
4.600	-9.827	-.00031	-.32280	.23715	.13687	-.00329	.00350	-.00044	-.27759	.28876	-.96131
4.600	-7.816	-.00029	-.27847	.23008	.12443	-.00230	.00291	-.00060	-.24460	.26582	-.92017
4.600	-5.794	-.00092	-.21904	.22041	.10312	.00037	.00154	.00019	-.19467	.24130	-.80678
4.600	-3.767	-.00054	-.17426	.20625	.08699	-.00105	.00212	-.00059	-.16033	.21726	-.73797
4.600	-1.752	-.00033	-.12686	.19337	.06878	-.00148	.00182	-.00116	-.12088	.19716	-.61314
4.600	-.735	-.00097	-.09290	.19050	.05657	.00076	.00035	-.00027	-.09044	.19168	-.47185
4.600	.265	-.00041	-.07440	.19580	.05132	-.00080	.00116	-.00100	-.07526	.18545	-.40580
4.600	1.279	-.00099	-.05194	.19256	.04467	.00091	.00095	-.00068	-.05600	.18136	-.30881
4.600	2.294	-.00100	-.02941	.17997	.03849	.00152	-.00046	-.00053	-.03659	.17664	-.20491
4.600	4.307	-.00061	.01346	.17452	.02520	.00001	.00015	-.00085	.00032	.17504	.00182
4.600	6.327	.00003	.05975	.16914	.00798	-.00153	.00037	-.00146	.04075	.17469	.23327
4.600	8.349	-.00015	.10910	.16525	-.01052	-.00095	-.00002	-.00107	.08394	.17934	.46806
4.600	10.372	-.00026	.16752	.16325	-.03366	-.00067	.00002	-.00099	.13539	.19075	.70981
	GRADIENT	-.00004	.02327	-.00381	-.00754	.00025	-.00030	.00001	.01994	-.00510	.09290

UPWT 1068/1119 (TA-44) CONFIGURATION 02/T4 (RH80021) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

ALPHA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = .000

RUN NO. 0/ 0 RNVL = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
2.860	-10.306	-.22371	-.06149	.24984	.03929	.40904	-.15973	.05914	-.06051	.25008	-.24197
2.860	-8.256	-.23269	-.06658	.24765	.04486	.31626	-.12245	.04675	-.06557	.24792	-.26449
2.860	-6.190	-.22265	-.07015	.24707	.04893	.23217	-.08915	.03526	-.06919	.24734	-.27974
2.860	-4.111	-.22249	-.07386	.24498	.05376	.15044	-.05697	.02326	-.07291	.24526	-.29729
2.860	-2.020	-.21991	-.07582	.24441	.05702	.07304	-.02758	.01144	-.07488	.24470	-.30601
2.860	-.019	-.21899	-.07273	.24224	.05453	-.00198	.00179	-.00032	-.07180	.24251	-.29607
2.860	2.040	-.21920	-.07432	.24320	.05514	-.07443	.02930	-.01184	-.07339	.24349	-.30142
2.860	4.119	-.21625	-.07052	.24426	.05101	-.14795	.05675	-.02347	-.06960	.24453	-.28463
2.860	6.197	-.22010	-.06947	.24437	.04928	-.22679	.08716	-.03534	-.06853	.24463	-.28015
2.860	8.262	-.22176	-.06578	.24592	.04524	-.31566	.12249	-.04774	-.06483	.24607	-.26347
2.860	10.372	-.22691	-.06066	.24639	.04042	-.40440	.15787	-.05987	-.05968	.24663	-.24200
	GRADIENT	.00064	.00040	-.00013	-.00036	-.03627	.01384	-.00569	.00039	-.00013	.00146

RUN NO. 0/ 0 RNVL = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
3.900	-10.208	-.27881	-.06204	.21358	.03647	.34858	-.13435	.04893	-.06100	.21387	-.28523
3.900	-8.161	-.28431	-.06867	.20893	.04157	.27410	-.10402	.03810	-.06763	.20927	-.32318
3.900	-6.135	-.28893	-.07367	.20528	.04645	.20022	-.07413	.02772	-.07264	.20565	-.35322
3.900	-4.076	-.28584	-.07158	.20445	.04778	.13154	-.04664	.01832	-.07056	.20480	-.34451
3.900	-2.023	-.29223	-.08298	.20117	.05494	.05436	-.02155	.00842	-.08195	.20159	-.40652
3.900	-.020	-.28919	-.07977	.20003	.05387	-.00069	.00152	-.00044	-.07876	.20043	-.39297
3.900	2.003	-.28973	-.07838	.20200	.05417	-.06367	.02387	-.00933	-.07736	.20239	-.38221
3.900	4.065	-.28562	-.07406	.20433	.05096	-.13011	.04781	-.01879	-.07304	.20470	-.35684
3.900	6.123	-.28451	-.06987	.20650	.04739	-.19629	.07343	-.02838	-.06885	.20684	-.33294
3.900	8.163	-.29703	-.07005	.20936	.04505	-.26889	.10249	-.03918	-.06897	.20972	-.33043
3.900	10.288	-.29442	-.06398	.21217	.04101	-.34450	.13309	-.04954	-.06278	.21250	-.29546
	GRADIENT	.00019	-.00002	.00003	.00028	-.03207	.01154	-.00453	-.00002	.00003	-.00002

UPWT 1088/1119 (IA-44) CONFIGURATION 22/T4 (RH8021) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1210.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

ALPHA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPDBRK = .000 BOFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
4.600	-10.135	.26484	-.05878	.20364	.03798	.32503	-.12169	.04448	-.05972	.20337	-.29364
4.600	-8.139	.26131	-.06464	.19912	.04242	.25271	-.09100	.03394	-.06555	.19883	-.32969
4.600	-6.094	.26816	-.06668	.19447	.04518	.18421	-.06526	.02461	-.06759	.19415	-.34812
4.600	-4.055	.26690	-.07086	.19049	.04891	.11949	-.04055	.01551	-.07175	.19007	-.37748
4.600	-2.012	.26796	-.07548	.18644	.05101	.05749	-.01852	.00676	-.07635	.18609	-.41027
4.600	-.019	.27207	-.07616	.18552	.05209	-.00135	.00152	-.00095	-.07704	.18516	-.41610
4.600	2.013	.27309	-.07322	.18687	.05096	-.06015	.02175	-.00856	-.07411	.18652	-.39733
4.600	4.045	.27615	-.06670	.19036	.04803	-.11992	.04156	-.01672	-.06762	.19003	-.35593
4.600	6.096	.26915	-.06397	.19429	.04620	-.18093	.06410	-.02529	-.06488	.19390	-.33460
4.600	8.143	.26794	-.06133	.19755	.04365	-.24927	.09086	-.03530	-.06225	.19727	-.31556
4.600	10.236	.26895	-.05682	.20163	.04014	-.31506	.11839	-.04498	-.05777	.20136	-.28689
	GRADIENT	.00117	.00052	.00002	-.00009	-.02939	.01011	-.00394	.00052	.00002	.00279

UPWT 1088/1119 (IA-44) CONFIGURATION 02/T4/S7 (S48022) (01 MAY 75)

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA =	.000	ELV-LO =	.000
ELV-LI =	.000	ELV-RI =	.000
ELV-RO =	.000	RUDDER =	.000
SPDBRK =	.000	BDFLAP =	.000

RUN NO. 9/ 9 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
2.000	-10.004	-.06639	-.68577	.41109	.26728	.01113	-.00468	.00113	-.60393	.52397	-1.15262
2.000	-7.928	-.06741	-.53903	.40282	.20702	.01159	-.00430	.00160	-.47831	.47332	-1.01054
2.000	-5.833	-.06685	-.39857	.39449	.15196	.01220	-.00548	.00195	-.35642	.43295	-.82323
2.000	-4.042	-.06759	-.28574	.39253	.11059	.01206	-.00465	.00215	-.25736	.41159	-.62514
2.000	-1.662	-.06631	-.16128	.38802	.06920	.01197	-.00465	.00164	-.14995	.39258	-.38204
2.000	-.604	-.06814	-.10037	.39631	.04050	.01345	-.00579	.00201	-.09629	.38735	-.24859
2.000	.441	-.06793	-.04511	.39477	.03017	.01310	-.00557	.00185	-.04806	.38461	-.12503
2.000	1.477	-.06759	.00428	.39266	.01316	.01272	-.00545	.00145	-.00558	.38264	-.01458
2.000	2.519	-.06738	.05820	.37950	-.00754	.01234	-.00521	.00124	.04146	.38169	.10953
2.000	4.605	-.06746	.17279	.37798	-.05717	.01268	-.00535	.00108	.14189	.39054	.36332
2.000	6.699	-.06984	.29613	.38016	-.10680	.01412	-.00564	.00165	.24976	.41211	.60605
2.000	8.807	-.06967	.42496	.37907	-.15349	.01291	-.00439	.00224	.35191	.43957	.82316
2.000	10.993	-.06939	.54971	.37624	-.19027	.01365	-.00461	.00211	.46788	.47415	.99676
	GRADIENT	-.00002	.05281	-.00176	-.01908	.00010	-.00008	-.00012	.04598	-.00253	.11479

UPWT 1088/1119 (IA-44) CONFIGURATION 02/T4/S7 (RH8023) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

ALPHA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPOIRK = .000 BOFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
1.600	-10.468	-.13501	-.04596	.45372	.00886	.50970	-.22314	.06909	-.04489	.45383	-.09892
1.600	-8.447	-.12768	-.04152	.45364	.01052	.39708	-.17391	.05544	-.04051	.45373	-.08928
1.600	-6.337	-.12913	-.04368	.45201	.01359	.29575	-.13109	.04210	-.04266	.45211	-.09436
1.600	-4.236	-.13125	-.04594	.44671	.01749	.19350	-.09534	.02749	-.04492	.44682	-.10052
1.600	-2.143	-.13932	-.05247	.44290	.02334	.10052	-.04533	.01381	-.05139	.44302	-.11601
1.600	-.067	-.12315	-.04729	.44158	.02253	.01318	-.00670	.00192	-.04633	.44178	-.10487
1.600	2.012	-.12561	-.04981	.44055	.02120	-.07760	.03434	-.01005	-.04884	.44075	-.11082
1.600	4.168	-.11719	-.04069	.44357	.01605	-.16813	.07398	-.02365	-.03978	.44365	-.08966
1.600	6.189	-.12680	-.04176	.44595	.01481	-.26128	.11513	-.03741	-.04078	.44606	-.09141
1.600	8.313	-.13211	-.04967	.44709	.01652	-.35991	.15563	-.05118	-.04864	.44721	-.10877
1.600	10.477	-.12962	-.05091	.44916	.01509	-.47672	.20405	-.05509	-.04989	.44927	-.11130
	GRADIENT	.00200	.00063	-.00040	-.00025	-.04300	.01900	-.00502	.00062	-.00041	.00130

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
2.000	-10.457	.42320	-.04504	.39277	.02035	.48418	-.21462	.05995	-.04794	.39243	-.12217
2.000	-8.372	.43415	-.04001	.39389	.02055	.38098	-.16866	.04875	-.04300	.39357	-.10925
2.000	-6.305	.43184	-.04240	.39123	.02362	.28554	-.12805	.03571	-.04535	.39090	-.11602
2.000	-4.215	.43547	-.04513	.38919	.02718	.19647	-.08818	.02552	-.04808	.38884	-.12366
2.000	-2.127	.43359	-.05064	.38619	.03239	.10562	-.04760	.01356	-.05356	.38580	-.13883
2.000	-.071	.43827	-.05090	.38441	.03302	.01665	-.00716	.00222	-.05384	.38400	-.14020
2.000	2.022	.43500	-.04765	.38486	.03109	-.05993	.03255	-.00847	-.05058	.38449	-.13156
2.000	4.092	.43489	-.04485	.38884	.02684	-.16297	.07465	-.02092	-.04780	.38848	-.12305
2.000	6.173	.43984	-.04299	.38850	.02386	-.26590	.11504	-.03170	-.04597	.38816	-.11843
2.000	8.238	.44094	-.04492	.38825	.02405	-.36560	.15309	-.04450	-.04791	.38889	-.12320
2.000	10.429	.44780	-.04628	.39060	.02439	-.45297	.19954	-.05716	-.04933	.39023	-.12641
	GRADIENT	.00001	.00017	-.00010	-.00009	-.04311	.01956	-.00554	.00017	-.00010	.00041

UPWT 1059/1119 (IA-44) CONFIGURATION 02/T4/S7 (RH8024) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = -8.000
ELV-LI = 8.000 ELV-RI = 8.000
ELV-RO = -8.000 RUDDER = .000
SPOIRT = .000 SPFLAP = .000

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
2.500	-10.921	-.00312	-.66132	.37825	.25749	.00381	-.00141	-.00084	-.57768	.49669	-1.16305
2.500	-8.818	-.00176	-.52452	.37096	.20310	.00154	-.00051	-.00018	-.45145	.44699	-1.03236
2.500	-6.733	-.00050	-.40110	.36204	.15553	.00039	.00029	-.00026	-.35589	.40657	-.87536
2.500	-4.641	.00059	-.28375	.35669	.11117	-.00052	.00042	-.00005	-.25396	.37848	-.67101
2.500	-2.552	.00187	-.17428	.35385	.07500	-.00221	.00115	.00013	-.15829	.36128	-.43812
2.500	-1.526	.00144	-.12980	.35179	.06307	-.00133	.00043	-.00007	-.11938	.35519	-.33621
2.500	-.495	.00210	-.09088	.34872	.05413	-.00259	.00109	-.00160	-.09787	.34949	-.25142
2.500	.544	.00184	-.04485	.34714	.04083	-.00209	.00051	-.00037	-.04815	.34569	-.13891
2.500	1.587	.00212	-.00309	.34327	.02933	-.00331	.00159	-.00084	-.01258	.34305	-.03668
2.500	3.651	.00339	.09471	.34086	-.00729	-.00366	.00116	-.00091	.07281	.34629	.21032
2.500	5.724	.00172	.20116	.33997	-.04891	-.00125	.00036	-.00055	.16634	.35744	.46537
2.500	7.809	.00161	.31760	.33939	-.09459	-.00137	.00029	-.00073	.26858	.37839	.71005
2.500	9.897	.00158	.43228	.33303	-.13859	-.00120	-.00019	-.00100	.36861	.40237	.91608
	GRADIENT	.00028	.04457	-.00205	-.01354	-.00035	.00009	-.00013	.03935	-.00400	.10395

RUN NO. 0/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
2.860	-10.618	-.00303	-.61995	.35894	.24469	.00363	-.00099	-.00048	-.54320	.46703	-1.16309
2.860	-8.533	-.00287	-.49885	.34912	.19353	.00411	-.00162	.00022	-.44153	.41927	-1.05307
2.860	-6.462	-.00099	-.38692	.34035	.15631	.00133	-.00031	.00021	-.34616	.38173	-.90681
2.860	-4.387	-.00010	-.28057	.33077	.11877	-.00008	.00052	-.00037	-.25445	.35126	-.72438
2.860	-2.315	-.00031	-.18074	.32514	.08724	.00041	.00029	.00011	-.16746	.33218	-.50414
2.860	-1.282	-.00119	-.13335	.32347	.07285	.00167	-.00038	.00060	-.12608	.32637	-.38632
2.860	-.257	-.00048	-.09527	.32052	.06307	.00059	-.00003	.00014	-.09383	.32095	-.29235
2.860	.775	.00026	-.05500	.31719	.05193	-.00021	-.00006	-.00009	-.05928	.31642	-.18735
2.860	1.813	-.00030	-.01164	.31385	.03775	.00034	-.00028	-.00005	-.02157	.31332	-.06883
2.860	3.864	-.00012	.07844	.31154	.00423	.00052	-.00037	-.00001	.05727	.31612	.18117
2.860	5.930	-.00119	.18096	.30854	-.03462	.00225	-.00072	.00030	.14801	.32557	.45463
2.860	8.000	-.00111	.28185	.30549	-.07300	.00236	-.00125	.00010	.23559	.34175	.68931
2.860	10.079	-.00040	.39622	.30051	-.11652	.00149	-.00135	.00021	.33752	.36522	.92416
	GRADIENT	.00003	.04277	-.00244	-.01334	.00002	-.00010	.00001	.03706	-.00435	.10831

UPWT 1088/1119 (IA-44) CONFIGURATION 02/T4/S7 (RH8024) (03 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 975.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = -8.000
ELV-LI = 8.000 ELV-RI = 8.000
ELV-RO = -8.000 RUDDER = .000
SPOBRK = .000 BDFLAP = .000

RUN NO. 9/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
3.900	-10.526	-.00152	-.49542	.30910	.18893	.00160	.00027	.00020	-.43062	.39449	-1.09182
3.900	-8.485	-.00186	-.41707	.29976	.16554	.00294	-.00058	.00022	-.36928	.35892	-1.02854
3.900	-6.437	-.00180	-.33830	.28825	.14269	.00303	-.00074	.00007	-.30385	.32436	-.93677
3.900	-4.395	-.00159	-.25680	.27716	.11672	.00269	-.00048	-.00010	-.23480	.29603	-.79319
3.900	-2.359	-.00109	-.18002	.26999	.09241	.00188	-.00007	-.00012	-.16876	.27717	-.60887
3.900	-1.335	-.00123	-.14194	.26719	.08137	.00134	.00055	-.00007	-.13557	.27042	-.50172
3.900	-.320	-.00078	-.11019	.26352	.07249	.00026	.00095	-.00045	-.10872	.26423	-.41145
3.900	.705	-.00076	-.07694	.26021	.06379	.00005	.00094	-.00055	-.08014	.25924	-.30912
3.900	1.728	-.00080	-.04093	.25792	.05323	-.00015	.00101	-.00055	-.04859	.25657	-.18939
3.900	3.763	-.00113	.04070	.25379	.02491	.00099	.00073	-.00020	.02396	.25590	.09362
3.900	5.806	-.00076	.12341	.24920	-.00488	.00154	.00001	-.00044	.09757	.26041	.37468
3.900	7.852	-.00079	.20870	.24479	-.03624	.00042	.00100	-.00037	.17332	.27092	.63974
3.900	9.896	-.00009	.29556	.24109	-.06671	-.00247	.00293	-.00099	.24973	.28928	.85626
	GRADIENT	.00007	.03579	-.00291	-.01081	-.00028	.00017	-.00005	.03106	-.00497	.10687

RUN NO. 9/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
4.600	-9.899	-.00151	-.46685	.30200	.18021	.00161	.00085	.00045	-.40798	.37776	-1.07999
4.600	-7.871	-.00093	-.39569	.29012	.16007	.00050	.00125	-.00004	-.35223	.34157	-1.03121
4.600	-5.834	-.00091	-.31942	.27722	.13737	.00054	.00134	-.00024	-.28959	.30815	-.93953
4.600	-3.802	-.00076	-.23963	.26529	.11163	.00053	.00129	-.00010	-.22151	.28060	-.78943
4.600	-1.771	-.00128	-.15877	.25584	.08499	.00268	-.00006	.00101	-.15078	.25852	-.57855
4.600	-.755	-.00083	-.12791	.24971	.07578	.00132	.00043	.00026	-.12469	.25137	-.49569
4.600	.261	-.00077	-.09700	.24514	.06815	.00050	.00099	-.00018	-.09812	.24470	-.40097
4.600	1.274	-.00028	-.06802	.24042	.06133	-.00142	.00207	-.00080	-.07335	.23885	-.30708
4.600	2.284	-.00010	-.03351	.23730	.05059	-.00227	.00243	-.00107	-.04294	.23577	-.18211
4.600	4.319	-.00090	.04770	.23341	.02349	.00125	.00050	.00001	.02999	.23634	.12689
4.600	6.351	-.00077	.13954	.22747	-.00673	.00151	.00070	.00048	.10468	.24053	.43519
4.600	8.385	-.00032	.20513	.22182	-.03244	-.00059	.00188	-.00023	.17060	.24936	.68414
4.600	10.415	-.00047	.29082	.21593	-.06453	-.00072	.00163	-.00023	.24681	.26593	.92811
	GRADIENT	.00006	.03425	-.00409	-.01022	-.00023	.00008	-.00011	.02997	-.00561	.10902